CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Street widening, Youngstown, O., takes bids in Fall, $3,100,000.

Theatre, Worcester, Mass., Two Hundred and Sixty-one Main St. Corp., making plans, $2,000,000.

Grade crossing elimination, Cleveland, O., election Nov. 2, $2,000,000.

Store, Akron, O., M. O'Neil Co., takes bids soon, $2,000,000.

Hospital, Cleveland, O., election Nov. 2, $2,000,000.

Pumping station and filtration plant, making preliminary plans, $1,500,000.

Hotel, Boston, Mass., F. G. Hall, mgr., having preliminary sketches made, $1,500,000.

Schools, Asheville, N. C., election Sept. 28, $1,500,000.

Theatre, store and office, Sioux City, Ia., Francis Building Co., had plans prepared and takes bids about Nov. 1, $1,200,000.

Apartment Chicago, Ill., syndicate takes bids about Sept. 15, $1,000,000.

Sewers, Cleveland, O., election Nov. 2, $1,000,000.

Paving, Cleveland, O., election, Nov. 2, $1,000,000.

Office, San Antonio, Tex., J. B. Herff & C. H. Timmins had plans prepared, $1,000,000.

Hotel, Richmond, Ind., J. M. Mills having plans prepared, $1,000,000.

Steam railroad, Oklahoma and Texas, S. W. Porter, Caney, Kan., made preliminary plans, $1,000,000.

Contracts

Warehouse, Chicago, Ill., Central Mfg. District to G. A. Arquette & Co., $1,500,000.

Factory, Canton, O., Timken Roller Bearing Co., to G. F. Melbourne Co., $1,000,000.

Manufacturing, Chicago, Ill., Pullman Co. to Sumner Sollitt Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close	*See Eng. News-Record*
Sept. 10 Connecticut	Sept. 9
Sept. 13 Bexley (Columbus P. O.), O.	Sept. 2
Sept. 14 North Castle (mail Mount Kisco), N. Y.	Sept. 9
Adv. Sept. 2 and 9.	
Sept. 14 Waynesboro, Miss.	Sept. 9
Sept. 14 Minneapolis, Minn.	Sept. 9
Sept. 15 San Francisco, Calif.	Sept. 2
Sept. 15 Avon Lake, O.	Sept. 9
Sept. 15 Cleveland, O.	Sept. 9
Sept. 15 Detroit, Mich.	Sept. 9
Sept. 15 Hale Centre, Tex.	Sept. 9
Sept. 16 Salisbury, Md.	Aug. 26
Adv. Aug. 26 to Sept. 9.	
Sept. 17 Long Island City, N. Y.	Sept. 9
Sept. 17 St. George, N. Y.	Sept. 9
Sept. 17 New York, N. Y.	Sept. 9
Sept. 17 Brooklyn, N. Y.	Sept. 9
Sept. 21 Greenville, Tex.	Sept. 9
Sept. 22 Providence, R. I.	Sept. 2
Sept. 24 Cleveland, O.	Sept. 9
Sept. 25 Point Pleasant, N. J.	Sept. 9
Adv. Sept. 9.	
Sept. 30 Santo Domingo, W. I.	July 22
Oct. 15 San Juan, Porto Rico	Sept. 9
Adv. Sept. 9.	

Sewers

Sept. 11 Yarmouth, Me.	Sept. 9
Sept. 13 Tenafly, N. J.	Aug. 26
Sept. 14 St. Louis, Mo.	Sept. 2
Sept. 14 Patchogue, N. Y.	Sept. 2
Sept. 15 Waite Park, Minn.	Sept 9
Sept. 15 Brooklyn, N. Y.	Sept. 9
Sept. 15 Cleveland, O.	Sept. 9
Sept. 15 Phila., Pa.	Sept. 9
Sept. 15 Pipestone, Minn.	Sept. 9
Sept. 16 Chicago, Ill.	Sept. 9
Adv. Sept. 9.	
Sept. 16 Akron, O.	Sept. 9
Sept. 16 New York, N. Y.	Sept. 9
Sept. 17 Omaha, Neb.	Sept. 9
Sept. 18 Oakland, Calif.	Sept. 9
Sept. 20 Waverly, Minn.	Sept. 2
Sept. 21 McComb, Miss.	Sept. 2
Sept. 21 Bridgeport, Pa.	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 24 Flint, Mich.	Sept. 2
Sept. 27 Gloucester, Mass.	Sept. 9
Adv. Sept. 9.	
Oct. 13 Portland, Ore.	Aug. 26
Adv. Aug. 19 to Sept. 9.	

Bridges

Sept. 14 Stuart, Fla.	Aug. 26
Sept. 15 Bronxville, N. Y.	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 15 Illinois	Sept. 2
Sept. 15 Illinois	Sept. 9
Sept. 15 Pascagoula, Miss.	Sept. 9
Sept. 15 Phila., Pa.	Sept. 9
Sept. 15 St. George, N. Y.	Sept. 9
Sept. 16 New York, N. Y.	Aug. 19
Sept. 17 Morgantown, W. Va.	Aug. 26
Sept. 17 Ohio	Sept. 2
Sept. 20 Oakland, Calif.	Sept. 9

Bids close	*See Eng. News-Record*
Sept. 21 Bastrop, La.	Sept. 2
Sept. 21 Michigan	Sept. 9
Sept. 21 Maryland	Sept. 9
Adv. Sept. 9.	
Dec. 1 Copenhagen, Denmark	July 15

Dams

Sept. 7 British Columbia	Aug. 26

Excavation, Drainage, Irrigation, Levees, River and Harbor

Sept. 11 Danville, Ill.	Sept. 2
Sept. 13 Jersey City, N. J.	Aug. 26
Sept. 13 Belmar, N. J.	Aug. 26
Sept. 14 Osceola Ark.	Sept. 2
Sept. 15 Blytheville, Ark.	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 15 Red Oak, Ia.	Sept. 9

Streets and Roads

Sept. 10 White Plains, N. Y.	Aug. 26
Sept. 10 Fort Wayne, Ind.	Sept. 2
Sept. 10 Macomb, Ill.	Sept. 9
Sept. 11 Michigan	Sept. 9
Sept. 13 New Jersey	Aug. 26
Adv. Sept. 2 and 9.	
Sept. 13 Crown Point, Ind.	Sept. 2
Sept. 13 Michigan	Sept. 9
Sept. 13 Miami, Fla.	Sept. 9
Sept. 13 Albany, Mo.	Sept. 9
Sept. 14 Apalachicola, Fla.	Aug. 26
Sept. 14 Jacksboro, Tex.	Sept. 2
Sept. 14 Abilene, Tex.	Sept. 2
Sept. 14 St. Louis, Mo.	Sept. 2
Sept. 14 Fort Wayne, Ind.	Sept. 2
Sept. 14 Washington	Sept. 9
Sept. 14 Massachusetts	Sept. 9
Sept. 15 Anderson, Ind.	Aug. 19
Sept. 15 Jamestown, N. D.	Sept. 2
Sept. 15 Alabama	Sept. 2
Sept. 15 Pennsylvania	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 15 San Francisco, Calif.	Sept. 2
Sept. 15 Brooklyn, N. Y.	Sept. 9
Sept. 15 Marshall, Mich.	Sept. 9
Sept. 15 Port Huron, Mich.	Sept. 9
Sept. 15 Michigan	Sept. 9
Sept. 16 Virginia	Sept. 2
Sept. 16 Michigan	Sept. 9
Sept. 16 Boston, Mass.	Sept. 9
Sept. 16 Oakhurst, N. J.	Sept. 9
Adv. Sept. 9.	
Sept. 16 New York, N. Y.	Sept. 9
Sept. 16 Louisiana	Sept. 2
Sept. 17 New York	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 17 Ohio	Sept. 2
Sept. 20 Cuba	Sept. 2
Sept. 20 New Jersey	Sept. 2
Adv. Sept. 2 and 9.	
Sept. 20 Ocean City, N. J.	Sept. 9
Adv. Sept. 9.	
Sept. 20 San Diego, Calif.	Sept. 9
Sept. 21 Westmoreland, Kan.	Sept. 2
Sept. 21 Louisiana	Sept. 2

Bids close	*See Eng. News-Record*
Sept. 21 Maitland, Fla.	Sept. 9
Adv. Sept. 9.	
Sept. 22 Michigan	Sept. 9
Sept. 23 Phillipsburg, Kan.	Sept. 2
Sept. 23 Michigan	Sept. 9
Sept. 24 Lyons, Kan.	Sept. 2
Sept. 24 Pennsylvania	Sept. 9
Adv. Sept. 2 and 9.	
Sept. 29 Atchison, Kan.	Sept. 9
Sept. 27 Kentucky	Sept. 2
Sept. 28 Lawrence, Kan.	Sept. 2
Sept. 29 Kentucky	Aug. 12
Sept. 29 Alabama	Aug. 12
Sept. 29 Alabama	Sept. 2

Buildings—Commercial

Sept. 10 Mansfield, O.	Sept. 2
Sept. 13 Greensburg, Pa.	Sept. 9
Sept. 13 Detroit, Mich.	Sept. 9
Sept. 14 Cleveland, O.	Sept. 2
Sept. 15 Dayton, O.	Aug. 26
Sept. 15 Atlantic City, N. J.	Sept. 9
Sept. 16 West New Brighton (Sta. Staten Island), N. Y.	Sept. 9
Sept. 17 Washington, D. C.	Sept. 9
Adv. Sept. 9.	
Sept. 28 Dayton, O.	Sept. 2
Oct. 19 Indianapolis, Ind.	Aug. 26
Nov. 15 Duluth, Minn.	July 15

Buildings—Industrial

Sept. 16 Phila., Pa.	Sept. 2

Buildings—Educational, Religious

Sept. 10 Hartford, Conn.	Sept. 9
Sept. 11 Columbus, O.	Sept. 2
Sept. 11 Blackstone, Mass.	Sept. 9
Sept. 11 New Castle, Pa.	Sept. 9
Sept. 14 Leominster, Mass.	Sept. 2
Sept. 14 Mexico, Mo.	Sept. 2
Sept. 14 Murray, Ky.	Sept. 9
Sept. 14 Camden, N. J.	Sept. 9
Sept. 15 Karns City, Pa.	Aug. 26
Sept. 15 Sayville, N. Y.	Aug. 26
Sept. 15 La Grange, Ind.	Aug. 26
Sept. 15 Adrian, Mich.	Sept. 9
Sept. 15 Los Angeles, Calif.	Sept. 9
Sept. 16 Berea, O.	Aug. 26
Sept. 16 Knoxville, Tenn.	Sept. 2
Sept. 16 Muscatine, Ia.	Sept. 9
Sept. 17 La Grange, Ill.	Aug. 26
Sept. 21 Washington, D. C.	Sept. 9
Sept. 24 Homer, La.	Sept. 9
Sept. 27 Battle Creek, Mich.	Sept. 9
Sept. 28 Rahway, N. J.	Sept. 9
Sept. 30 Wash., D. C.	Aug. 26
Oct. 1 Storrs, Conn.	Sept. 2

Federal Government Work

Sept. 10 Remodeling — Northampton, Mass.	Aug. 26
Sept. 13 Beartrap Leaves—Louisville, Ky.	Aug. 19
Adv. Aug. 19 to Sept. 9.	
Sept. 13 Remodeling — Asheville, N. C.	Aug. 26

See proposal advertising on page 127

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TRADE **"LEADITE"** MARK
Registered U. S. Pat. Office

Laying 20-in. c.i. bell and spigot water main across Schuylkill River with LEADITE joints.

Speed— Pipe Laying

Thousands of miles of cast iron water mains have been laid with LEADITE by large cities, towns, villages, railroads, mines, and industrial plants.

These pipe lines are laid under paved streets, under and over bridges, under railroad tracks, across streams, thru open country, in filter galleries—high and low pressures—under all conditions of water works construction.

This is the way some LEADITE users lay pipe:

1710 ft. 6 in. pipe laid in one day.
1665 ft. 6 in. pipe laid in 7½ hrs. with 6 men.
91 lengths 20 in. pipe laid in one day.
15 to 19 lengths 48 in. pipe laid in one day—laid one length in 7 minutes.
3860 ft. 6 in. and 8 in. pipe laid in 9 hrs. with 2 gangs.

You can do this.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	See Eng. News-Record
Sept. 13	Excavating, etc.—Syracuse, N. Y. ..... Sept. 2
Sept. 14	Boiler, Wash., D. C. ..... Aug. 26
Sept. 14	Roads—Rutland, Mass. ..... Aug. 26
Sept. 14	Fire Protection System — Baltimore, Md. ..... Aug. 26
Sept. 14	Driveway, etc.—Pottsville, Pa. ..... Sept. 9
Sept. 15	Barges—St. Louis, Mo. ..... Aug. 26
Sept. 15	Equipment—Wash., D. C. .. Sept. 2
Sept. 16	Remodeling—Adrian, Mich. Sept. 2
Sept. 17	Remodeling—Des Moines, Ia. ..... Sept. 2
Sept. 21	Wire Fence—Lake City, Fla. ..... Aug. 26
Sept. 21	Bulkhead—Hampton, Va. .. Sept. 2
Sept. 24	Gates—Louisville, Ky. ..... Aug. 26 Adv. Aug. 26 to Sept. 9.
Sept. 25	Dredging—Oakland, Calif. . Sept. 9
Sept. 28	Storehouse, etc.—Sunmount, N. Y. ..... Aug. 26 Adv. Sept. 2 and 9.
Sept. 30	Equipment—Wash., D. C. .. Sept. 2 Adv. Sept. 2 and 9.
Oct. 1	Jetty—Sabine Pass, Tex. .. Aug. 12

Bids close	See Eng. News-Record
Unclassified	
Sept. 10	Air Compressor—Farmingdale, N. Y. ..... Aug. 19
Sept. 10	Subway—Phila., Pa. ..... Aug. 26
Sept. 10	Fill—Corona (Ind. Sta. Flushing), N. Y. ..... Sept. 2
Sept. 10	Tracks, etc., New York, N. Y. ..... Sept. 2
Sept. 10	Turntable Bridges, etc.—Phila., Pa. ..... Sept. 2
Sept. 10	Whiteway—Cleveland, O. . Sept. 9
Sept. 13	Subway—San Antonio, Tex. Sept. 2
Sept. 13	Wall—East Boston (Boston P. O.), Mass. ..... Sept. 9
Sept. 14	Station Entrance — Boston, Mass. ..... Sept. 2
Sept. 14	Steel bins—New York, N. Y. Sept. 9
Sept. 15	Steam Turbines, etc.—Hamilton, O. ..... Aug. 19
Sept. 15	Fire Alarm—Poughkeepsie, N. Y. ..... Aug. 26 Adv. Aug. 19 to Sept. 9.

Bids close	See Eng. News-Record
Sept. 15	Boardwalk—Miami, Fla. .. Sept. 9
Sept. 15	Standards — Quebec City, Que. ..... Sept. 9
Sept. 16	Engines, etc.—Danville, Pa. Sept. 2
Sept. 21	Tunnel—Boston, Mass. .... Sept. 9
Sept. 22	Platform extensions — New York ..... Sept. 9
Sept. 23	Pier—San Francisco, Calif. Sept. 9
Sept. 30	Generator—Newark, N. J. . Sept. 9 Adv. Sept. 9.
Oct. 1	Subway—New York, N. Y. Sept. 9 Adv. Sept. 9.
Oct. 15	Subway—New York, N. Y. Sept. 9 Adv. Sept. 9.
Nov. 1	Buildings, etc.—New Zealand ..... July 1
Materials	
Sept. 10	Rock Asphalt — St. George, N. Y. ..... Sept. 2
Sept. 10	Transformers—Cleveland, O. Sept. 9
Sept. 15	Sand—New York, N. Y. .. Sept. 9
Sept. 16	Fabricated Structural Steel —Phila., Pa. ..... Sept. 9

News of New Work

Waterworks

Proposed Work

N. C., Old Fort—Plans to issue $65,000 bonds to purchase present water system and soon take bids new reservoir and pipe line. Spoon, Lewis & Camp, Greensboro, engrs. Noted May 6.

Fla., Corley—See "Streets and Roads."

O., Cleveland—Making preliminary plans pumping station and filtration plant, Chardon Rd. and St. Clair Ave. $1,500,000. L. A. Quayle, city engr.

O., Cleveland—Election Nov. 2, $1,000,000 bonds, sewers in various streets. R. Hoffman, city engr.

O., East Liverpool — City Council takes bids in spring constructing mains in all outlying districts of city soon to be annexed. $50,000. J. A. George, East Liverpool, engr.

Mich., Detroit—Mortenson-Nicholson Co. made plans 18,259 ft. 6 and 8 in. c.i. mains, etc. in 2 sections Mortenview Sub-division. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., engrs.

Ia., Nevada—Voted $50,000 bonds, waterworks improvements. R. A. Davis, city clk. Noted Aug. 12.

Tex., Brownsville—Election soon $100,000 bonds, water mains, storm and sanitary sewers in various streets. Address mayor.

Tex., Harlingen—Takes bids after Oct. 1, 1,500 g.p.m. 200 ft. head pump, 80 x 100 ft. brick and concrete building for machinery, 750 hp. oil engine 25,000 ft. 6 and 8 in. mains. $60,000. E. C. Bennett, supt. Pub. Utilities. Noted Aug. 26.

Tex., Weslaco — Election soon $28,000 bonds, water filtration plant. J. H. Herold, mayor.

Okla., Elgin—Made preliminary plans new waterworks. $20,000. H. J. Dorman, mayor. Engineer not selected.

Okla., Lookeba—Made preliminary plans new waterworks. $20,000. J. Gorman, mayor. Engineer not selected.

Okla., Turley — Plans reservoir and elevated tank. Hughes Eng. Co., 206 Cole Bldg., Tulsa, engrs.

Ont., London—City Council plans concrete dam at waterworks pumping station, at Springbank. $150,000. W. P. Near, City Hall, engr.

Bids Desired

Connecticut—Sept. 10, by Hartford Connecticut Trust Co., 750 Main St., Hartford, wells and reservoirs to store water from Fenton and Willimantic Rivers to provide additional water for Connecticut Agriculture College and Mansfield State Training School in Mansfield and Storrs. $145,000. C. M. Saville, 1026 Main St., Hartford, engr. Noted Apr. 8.

N. Y., Brooklyn — Sept. 17, by N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York City, mains in Avenues S and Z, N. O. Q. T., Bradford, Ocean Aves., etc., here.

N. Y., Long Island City—Sept. 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 32nd, 35th, 27th and 85th Aves., 64th, 85th, 87th Sts., etc., here.

N. Y., New York — Sept. 17 by N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., mains on Colden, Cromwell, East Bay, Fairmount, Fenton Aves., etc., Bronx Boro.

N. Y., North Castle (mail Mount Kisco) —Sept. 14, by Bd. Water Comrs. Dist. 1, at North White Plains Fire House, Bway., White Plains North, 6- to 10-in. mains, pumping station, etc., here. J. N. Heeney, White Plains, engr.; adv. E. N.-R. Sept. 9.

N. Y., St. George—Sept. 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Adams, Alter, Ardmore, College, Crafton, Dickie Aves., etc., here.

N. J., Point Pleasant — Sept. 25, by Mayor and Boro Council, 38,000 lin.ft. c.i. mains, etc. R. W. Morris, boro engr.; adv. E. N.-R. Sept. 9.

Miss., Waynesboro — Sept. 14, by City Clerk, waterworks, distribution system and sewers in various streets. $60,000. H. A. Mentz, Hammond, La., engr. Noted Apr. 8.

O., Avon Lake—Sept. 15, by Bd. Comrs. Lorain Co. (Elyria) filter plant, 30 x 40 ft. low service pump house, 50 x 70 ft. filter building, coagulation basin, deep wells, storage tank and pumping equipment, etc. $150,000. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

O., Cleveland—Sept. 15, by Bd. Comrs. Cuyahoga Co., 2,500 ft. 8 in. c.i. Brookside Rd., Impvt. 156; and 5,000 ft. 8 in. Mayfield Ridge Rd., Impvt. 366. F. Williams, Court House, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

O., Cleveland—Sept. 24, by Dept. Welfare, Oak and 9th Sts., Columbus, steel tower with 25,000 gal. steel surge tank, 32,000 ft. 6 in. and 1,600 ft. 2 in. c.i. pipe, here. $25,000. H. B. Briggs, Hartman Bldg., Columbus, engr.

Mich., Detroit — Sept. 15, by Bd. Water Comrs., 176 East Jefferson Ave., G. H. Fenkell, genl. mgr., waterworks improvements, incl. gates, special castings, etc. and 46,425 ft. 6- to 16-in. mains in various streets. Owner furnishes pipe.

Minn., Minneapolis—Sept. 14, by F. S. Gram, city purch. agt., six 24 in. gate valves for Water Dept. N. W. Elsberg, city engr.

Tex., Greenville—Sept. 21, by M. C. Hale, city secy., one turbine, centrifugal pump, 2½ m.g. capacity, to operate against head of 200 ft.

Tex., Hale Center—Sept. 15, by W. T. Lemond, mayor, waterworks, incl. 27,000 lin.ft. 2- to 8-in. c.i. pipe, also 50,000 gal. steel tank and tower. $40,000. Devlin Eng. Co., Bitting Bldg., Wichita, Kan., engrs. Noted Aug. 19.

Porto Rico, San Juan—Oct. 15, at office R. H. Todd, mayor, City Hall, deep wells, with 3 m.g. per day capacity; adv. E. N.-R. Sept. 9.

Bids Received

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Aug. 31, mains in Aqueduct Ave., etc., Bronx Boro., from Sareno Constr. Co., 1959 Calden Ave., $16,500. Noted Aug. 26.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Aug. 31, mains in Central Park, Manhattan Boro., from Beaver Eng. & Contg. Co., 51 Chambers St., $29,731. Noted Aug. 26.

Mich., Detroit—Huntington Woods Subdivision, mains, etc., in Huntington Woods, from F. A. Warblow Co., Warren, $73,580.

Contracts Awarded

Mass., Boston — Supply Dept., 300 tons 24 in. c.i. pipe, to Warren Fdry. & Machine Co., 201 Devonshire St., at $53.45 per ton.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Glenmore, Laurel, Miller and Troy Aves., to N. De Stefano, 378 Woodstock Ave., $7,988. Noted Sept. 2.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 55th Dr., Westmoreland, 37th, and Clermont Aves., etc., to G. V. Cornell, Fort Wadsworth, $6,332. Noted Sept. 2.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Barker, Baychester, and Camoun Aves., etc., to Melrose Constr. Co., 103 East 125th St., $14,900. Noted Sept. 2.

Md., Baltimore—Bd. Awards, excavating trenches and laying mains in Mt. Royal Terrace, for Bureau of Water Supply, to Ligon & Ligon, 206 East Lexington St., $39,768. Noted Aug. 26.

O., Cleveland—Cuyahoga Co., 19,000 ft. 12 in. mains in Brecksville Rd., Impvt. 1150, to Muntillo & Dinsio Co., 2029 Murray Hill Rd., $93,245. Noted Sept. 2.

Ind., Fowler—Benton Co., grading and paving Eckerstrom Rd., to M. Budreau, Fowler, $27,026; and Nelson Rd., to J. F. Fenwick, Goodland, $14,235. Noted June 17.

Mich., Detroit—Dept. Purch. & Supply, to Michigan Valve & Fdry. Co., 3631 Parkinson St., two 48 in. flanged gate valves $1,949, 48 in. hub end gate valve $3,477, 60 in. flanged gate valve $3,990, 10 ft. x 10 ft. sluice gate $2,599, 10 ft. x 12 ft. sluice gate $2,899, 96 in. dia. sluice gate $3,399, five 72 in. gate valves $5,200 each and two 60 in. gate valves $3,990 each, all above for Dept. Water Supply.

Ill., Albion—Waterworks and distribution system, to T. Doty, Benton, $74,105.

Ill., Lyons—See "Sewers."

Ill., Staunton—For 7,000 ft. ¾ in. and 1,500 ft. 1 in. copper service piping, 250 ft. ¾ in. and 50 ft. 1 in. corporation stops, etc., to H. E. Hopper, Staunton, $12,212. Engrs. est. $15,000.

Ill., Tessville—Extending 2,900 ft. 8 in. and 10,000 ft. 6 in. mains in various streets, to C. M. Porter, 111 West Washington St., Chicago, $33,614. Noted Aug. 12

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Concrete repair section on state highway at Elk River, Minn., placed in service in less than *3 days* after building. Quick-hardening concrete secured by using thoroly tested methods and standard *Universal* cement, the same quality *Universal* regularly used. J. T. Ellison, Chief Engineer; W. F. Rosenwald, Maintenance Engineer, Minnesota State Highway Department.

Minnesota Highway Department Solves Repair Tie-Ups By Using Quick-Hardening Concrete

Concrete repair sections in Minnesota highways are now opened to traffic in a fraction of the time usually required.

At Elk River, Minn., for example, repair sections of the state highway, made by using special methods and standard *Universal* cement, were opened to traffic in less than *3 days* after work was done.

The secret of this quick-hardening concrete lies in the use of fully tested methods whereby it is now possible, with standard *Universal* cement, the same quality *Universal* regularly used, to obtain concrete that is as strong in *3 days* as that ordinarily obtained in *28 days*.

These methods are being successfully applied to roads, streets, foundations, superstructures—in fact, wherever time-saving and high early strength are important. For full details send the coupon below.

UNIVERSAL PORTLAND CEMENT CO.,
310 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with standard Universal cement, the same quality Universal regularly used.

Name .....

Address .....

.....

ENR. 9-9-26

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

Kan., Topeka—For 3 mi. 12 in. high pressure mains in various streets, to C. B. Ramsey, 391 North Main St., $79,681.

Mo., Pleasant Hill—For 19,800 ft. 2 and 4 in. c.i. mains, fire hydrants, etc. in various streets, to R. S. Karr, Independence, $6,499; pipe to McWane Cast Iron Pipe Co., Santa Fe Bldg., Dallas, Tex., $9,745; also hydrants and valves, to Watrous Fire Engine Wks., St. Paul, Minn., $1,825. Grand total $18,060.

Mo., Potosi—Waterworks, general contract, to R. W. Langston, Springfield; 23 x 50 ft. stand pipe, to Chicago Bridge & Iron Wks., 37 Van Buren St., Chicago, Ill.; deep well and pump, to Sewell Well Co., 1627 Locust St., St. Louis; 2- to 8-in. c.i. pipe, to McWane Pipe Co., 27 Ave. N., Birmingham, Ala.; also hydrants and valves to Ludlow Valve Co., 1416 R. A. Long Bldg., Kansas City. Engrs. est. $37,500. Noted Aug. 5.

Tex., Nordheim — Waterworks distributing system, installation contract, to C. E. Bramlett Nordheim, $2,657; elevated tank, to Pittsburg-Des Moines Steel Co., Praetorian Bldg., Dallas $7,000; pipe contract, to Natl. Cast Iron Pipe Co., Santa Fe Bldg., Dallas, $9,806; compressors, air pump and motors, to L. S. Valley Co., Houston, $3,237. Grand total $22,700.

Okla., Turley—Waterworks improvements, incl. 4 mi. 6 in. and 1½ mi. 4 in. c.i. pipe, meters, hydrants, fittings, etc., to L. D. James, Miami, $35,000. Noted Aug. 5.

Wash., Aberdeen—For 6½ in. concrete lining Fairview Reservoir 2, to Grays Harbor Constr. Co., Aberdeen, $56,015

Calif., Laguna Beach—Laguna Beach Co. Water Dist., 43,000 ft. gunite coated steel and approximately 37,000 lin.ft. concrete pipe for 13 mi. pipe line, to H. W. Rohl, 625 Market St., San Francisco $399,420.

Que., St. Foye—Lacied Aqueduct de St. Foye, waterworks, to Canadian Eng. Constr. Co., Quebec City, $32,000.

B. C., North Vancouver—Pipe line from Kennedy Lake to Mosquito Creek, to Cotton Co., Ltd., False Creek Yards, Vancouver, $56,950. Noted Sept. 2.

Sewers

Proposed Work

Conn., Stamford — Making preliminary plans storm sewers in Elmcroft Rd., Wright and Virgil Sts., Maple and Washington Aves. $25,000. Address City Engineer.

Fla., Corley—See "Streets and Roads."

O., Berea — Making surveys sanitary sewers in south side district. Morris Knowles, Inc., 622 Hanna Bldg., Cleveland, engrs.

O., Cleveland—Election Nov. 2, $1,000,000 bonds, sewers in various streets. R. Hoffman, city engr.

O., Xenia—Bd. Trustees making plans sewage disposal plant, incl. Imhoff concrete tank and filter materials, etc. $48,000. B. H. Briggs, Ohio-Hartmann Bldg., Columbus, engr.

Mich., Detroit—Plans drainage structure, incl. 10,096 ft. 12 in. vitr. pipe, etc. in Five Mile Rd.

Mich., Melvindale (Dearborn P. O.)—Made plans 30,480 ft. 8- to 15-in. vitr. lateral sewerage system, etc. G. Jerome, 1331 Majectic Bldg., Detroit, engr.

Ill., Quincy—Plans intercepting and relief sewers in various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ill., Westchester — G. F. Nixon & Co., 105 West Monroe St., Chicago, making plans and soon takes bids system storm and sanitary sewers in suburb now being developed, here. $550,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Tex., Brownsville—See "Waterworks."

Tex., Mercedes — Election soon $35,000 bonds, sewer improvements, incl. additional mains and laterals, etc. W. E. Anderson, San Benito, engr.

Okla., Crescent—Made preliminary plans sewerage system. $32,000. J. W. Brewster, mayor. Engineer not selected.

Calif., Corona—Plans election $12,000 bonds, repairing present storm drain and $48,000 bonds, new drain construction.

Calif., Los Angeles—Plans storm drainage section Verdugo Rd. and Gassell Ave., to exceed $500,000; also La Brea Storm Drain, $100,000 or more.

Calif., Los Angeles—Made plans 3,313 ft. 8 in. deep and wide socket vitr. also 9,186 ft. 8 in. vitr. main sewers, etc. in Harper and Melrose Ave. Sewer Dist.

Ont., Toronto—York Twp. plans 6,450 ft. sewers in Dufferin St., Humbercrest Blvd., Bowie, Windermere and Craydon Aves. $30,154. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Me., Yarmouth—Sept. 11, by Town Clerks Office, sewers with manholes and outfalls in Pleasant and Smith Sts. $25,000 or more. Nisbet & Griffin, Inc., 11 Exchange St., Portland, engrs.

Mass., Gloucester — Sept. 27, by Bd. Sewerage Survey, City Hall, outfall sewer and appurtenances. Fay, Spofford & Thorndike, 44 School St., Boston, consult. engrs.; adv. E. N.-R. Sept. 9.

N. Y., Brooklyn — Sept. 15, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewer in East 64th St. $100,000.

N. Y., New York—Sept. 16, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., storm water drain in Dyre Ave.; sewers in Laconia and Horn Aves., East 211th and 212th Sts.

Pa., Phila.—Sept. 15, by Dept. Pub. Wks., Bureau Engineering, Schedule A, main sewer in Rising Sun Ave.; Schedule B, sewage disposal project Tacony intercepting sewer; Schedule C, elimination of grade crossing at Ridge Ave., Contr. 101. G. H. Biles, dir.

Miss., Waynesboro—See "Waterworks."

O., Akron—Sept. 16, by W. F. Peters, dir. Pub. Serv., house laterals and 10,960 ft. 8- to 30-in. vitr. sewers in Britain Rd., et al., $46,400; 3,635 ft. 8- to 24-in. in Crosier St. $26,500, 2,625 ft. in Kipling St. $16,000, and 2,635 ft. in Corice St. $14,800, 3,265 ft. 8- to 20-in. in McKinley Ave., $17,000; 1,450 ft. 8 in. in Winton Ave., $5,000; and 1,045 ft. 8- to 15-in. in Belleflower Ave., et al., $4,600. J. E. Root, Municipal Bldg.

O., Cleveland—Sept. 15, by Bd. Comrs. Cuyahoga Co., 8,500 ft. 8-to 42-in. brick sewers in Hollingwood Dr. and Ridge Rd., Impvt. 79-S and W. F. Williams, Court House, engr.

Ill., Chicago—Sept. 16, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., West Blue Island Intercepting Sewer; adv. E. N.-R. Sept. 9.

Minn., Pipestone—Sept. 15, by S. W. Funk, city clk., sewage disposal plant and outlet sewers. $45,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Aug. 19.

Minn., Waite Park—Sept. 15, by Village, sewage disposal plant. S. S. Chute, Court House, St. Cloud, engr.

Neb., Omaha—Sept. 17, by H. Beal, city engr., Storm Sewer 903, southeast from 29th & Bridge Sts. to Missouri River, for city. $25,000.

Calif., Oakland—Sept. 18, by City Council, 12,985 ft. 8 in. vitr. sewers, etc. in Hillmont and Parker Aves., etc. W. W. Harmon, city mgr.

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Sept. 1, from J. Jennings, 367 Fulton St., sewer in West 9th St. $6,678, Shore Rd. $2,571, Greenpoint Ave. $3,309 and 78th St. $2,453; from Picone Contg. Co., 606 Rugby Rd., Livonia Ave. $2,077; from Bateman & Ficken, in 63rd St. $26,083; from S. Guerriero, in 73rd St., $6,243; from Manmill Constr. Co., 1780 Pitkin Ave., Livonia Ave., $2,077; and from R. Iovino, in Pitkin Ave., $1,451. Noted Aug. 26.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Aug. 31, sewers in West 231st St., from D. Tambone, 2408 Bathgate Ave., $49,580. Noted Aug. 26.

O., Akron—For 17,535 ft. 8- to 42-in. vitr. clay sewers, etc., in Dan St., et al., from Lloyd Contg. Co., Xenia, $81,165, engrs. est. $121,000; 2,240 ft. 8- to 36-in. sewer in Hillcrest St., et al., from Shullo & De Luca Constr. Co., 140 North Summit St., $9,851, engrs. est. $12,300; 3,325 ft. 8- to 20-in. in Hammel St., et al., from A. Biaselli & Son, 938 Pitkin Ave., $7,412, engrs. est. $16,800; and 6,060 ft. in Hull Ave., et al., from R. Buckley, 1412 Beechview Ave., Pittsburgh, Pa., $29,546, engrs. est. $32,500. Noted Aug. 19.

Mich., Detroit—Dept. Pub. Wks., Aug. 18, Fort St. Relief Sewer, from Dept. Pub. Wks. Constr. Div., City Hall, $99,418; Mill Road Sewer, from Lennane & McIlvene, 7777 West Chicago Blvd., $397,696; Mack Ave. East and West Sewer, from P. Cappello, 9329 Kresge Bldg., $36,406; Mack Ave. Arm-Ashland Ave. Sewer, from Waterway Constr. Co., 516 Transportation Bldg., $36,137; McGraw Ave. Arm-Lonyo Rd. Sewer and Mill Rd. Sewer-Sect. 3, from Detroit Drainage Constr. Co., Meyers Rd., $94,894 and $292,964 respectively; also Connors Creek Dredging, from Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., $63,000.

Contracts Awarded

W. Va., Huntington—Vitr. tile trunk and lateral sewers (2nd unit) Frampton-Williams-Marcum addition, to L. Bias, 2806 Ohio Ave., $31,902.

Miss., Forest—For 8,000 ft. 10 in. and 25,000 ft. 8 in. sewers, etc. in various streets to Myers Constr. Co., Meridian, $33,000.

Ill., Lyons—For 16,791 ft. 8- to 48- ft. sewers, and 20,970 ft. 6- to 10-in. watermains, etc., in Plainfield Rd., etc., to C. Roberts, 6921 Laflin St., Chicago, $198,000.

Tex., Ft. Worth — Storm sewers in Collinswood St., also sanitary sewers in Fostepio Heights and Diamond Hill, to Standard Paving & Constr. Co., Ft. Worth, $25,000 and $80,000 respectively; storm sewers in Millet Ave., Dorothy Land, Collinsworth and Elm Sts., to Southwell & Abbott, 605 East 2nd St., $25,952, on Fly St. at Bell Pl., to Tarrant Constr. Co., 1005 Calhoun St., $27,611. Grand total $157,563.

Waste Disposal

Proposed Work

N. C., Raleigh—Plans incinerator plant. $50,000-$75,000. C. C. Page, comr. Pub. Wks.

Contracts Awarded

O., Portsmouth—J. Lynn, safety dir., incinerator, to Superior Incinerator Co. of Texas, Wilson Bldg., Dallas. $49,875.

Bridges

Proposed Work

N. J., Seaside Heights—State Hy. Dept., Trenton, plans rebuilding steel bridge over Barnegat Bay, here, Ocean Co. $380,000. W. G. Sloan, State House, Trenton, highway engr.

O., Cleveland—Cleveland Union Terminal Co., c/o O. P. and M. J. Van Sweringen, Marshall Bldg., making plans 175 ft. rein.-con. bridge, 60 ft. over Freeman Ave. H. D. Jouett, Ulmer Bldg., engr.

O., Youngstown — Plans concrete bridge, on Cedar St. $350,000. G. F. Turner, Youngstown, engr.

Ill., Belleville—See "Streets and Roads."

Minn., St. Paul—Ramsey Co. will not construct concrete bridge, etc., at junction Mississippi and Minnesota Rivers, between Ft. Snelling approach of Mendota Bridge and Pike Island. $30,000. Project abandoned. Noted Sept. 2.

Mo., Independence—Clay Co. (Liberty) and Jackson Co. (Independence), election Nov. 3, $1,000,000 bonds, new bridge over Missouri River, near here. Engineer not selected.

Calif., Los Angeles—Plans bridge over Westlake Park. M. Butler, co. bridge, engr.

Calif., Santa Cruz—Made plans removing old bridge and constructing Ocean Villa Bridge, concrete and steel. J. K. James, city engr.

Bids Desired

Mass., Boston—See "Streets and Roads."

N. Y., St. George — Sept. 15, by J. A. Lynch, pres. Richmond Boro, Boro Hall, replacing bridge over Chelsea Creek, on Meredith Ave., here.

Pa., Phila. — Sept. 15, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., one 40 ft. steel deck plate girder span bridge, Drawing 80333, Contr. 36. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Maryland—Sept. 21, by State Roads Comn., Baltimore, additions to bridge Harford Co., Contr. H-50. J. N. Mackall, chn., adv. E. N.-R. Sept. 9.

Miss., Pascagoula—Sept. 15, by Clerk Jackson Co., 650 ft. concrete and steel bridge over Escatawpa River at Moss Point and 924 ft. bridge over Pascagoula River, here. $275,000 bonds voted. A. M. Blodgett, Inc., Biloxi, engr. Noted July 1, under Mississippi.

Michigan — Sept. 21, by F. F. Rogers, state highway comr. at office Oakland Co.,

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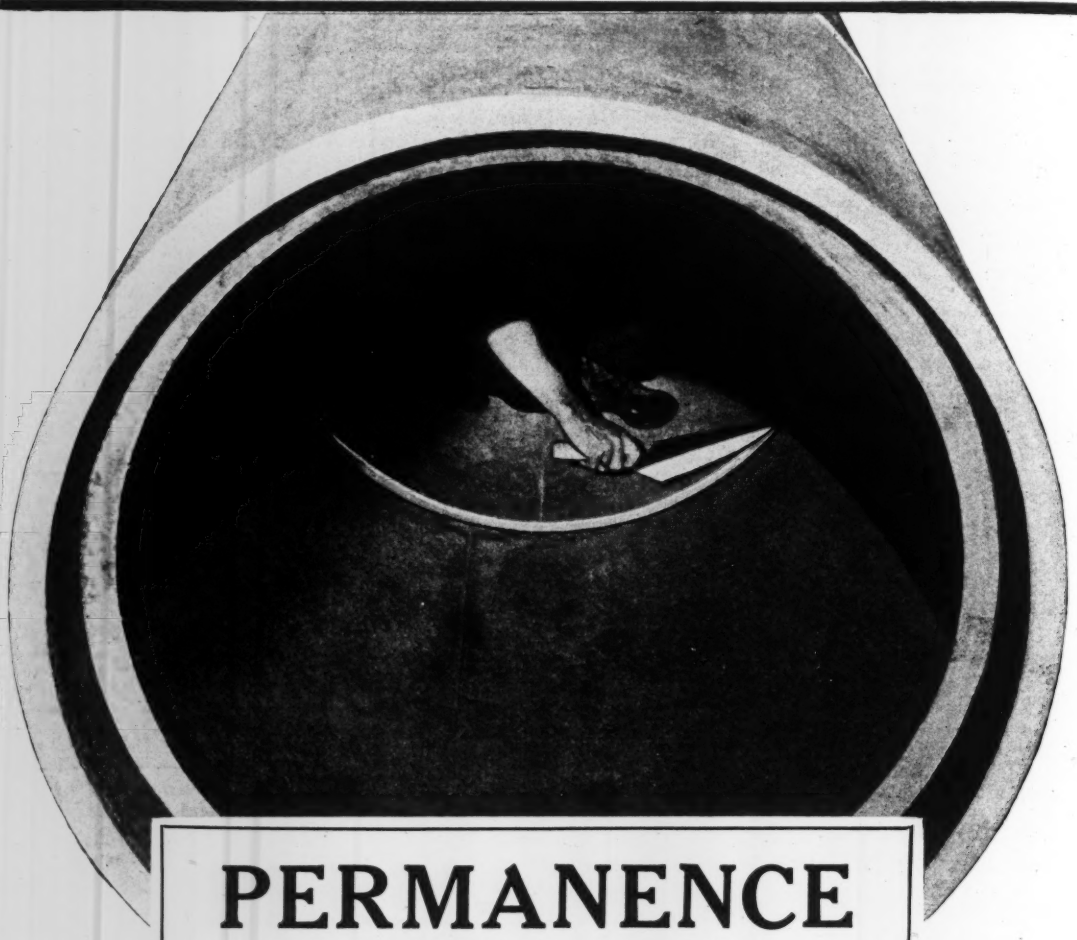

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INDEPENDENT PIPE

Bridges (Continued)

Road Comn., Court House annex, Pontaic, S. R. Bridge 6302001 on County Assessment Dist. Rd. 16, Oakland Co. W. W. Lavers, Plymouth, resident engr.

Illinois—Sept. 15, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 20, Sect. 14-B, McHenry Co., and on Route 2, Sects. 70-B and C, La Salle Co., F. T. Sheets, highway engr.

Calif., Oakland—Sept. 20, by G. E. Gross, clk. Alameda Co., bridge over San Lorenzo Creek, here, 77,500 lb. reinforcing 185,000 lb. structural steel, etc., also removing present bridge. To exceed $25,000. G. A. Posey, Oakland, co. surv.

Bids Received

South Carolina—State Hy. Dept. Columbia, Aug. 26, overhead bridge over Sea Board Line R.R. tracks, on State Route 5, Federal Aid Project 274-B, Chester Co., also five 22 ft. span rein.-con. bridge over Camp Creek and seven 22 ft. span bridge over Cane Creek, on State Route 93, State Project S-555, Lancaster Co., from Lathan Bros., Lancaster $3,493 and $14,365 respectively; rein.-con. and structural steel bridge over Broad River, Route 22, Federal Aid Project 220, Fairfield Co., substructure from J. G. Scott & Co., Greenville, $114,168 and superstructure from Roanoke Iron & Bridge Wks., Roanoke, Va. $62,706; bridge over Calhoun and Penny Creeks, State Route 71, State Project S-594, Abbeville Co., from Porter & Hooks, Charlotte, N. C. $7,726; treated timber bridge over Ramsay Creek, State Project S-635-A, Oconee Co., from J. L. Carroll, Columbia, $3,209; and 3 culverts on State Route 38, State Project B-16, Marion Co., from Hampton Constr. Co., Charleston, $9,175.

Colorado—See "Streets and Roads."

California—State Hy. Comn., Sacramento, reflooring, cleaning and painting bridge over Salinas River, Monterey Co., from E. K. Angle, Dos Palos, Calif., asphalt $32,434, and redwood $34,975. Noted Aug. 9.

Contracts Awarded

Maryland—State Rds. Comn., Baltimore, one single 40½ ft. span rein.-con. arch bridge with 30 ft. clear roadway over Carroll Creek, on East Patrick St., Contr. F-95, to Concrete Steel Bridge Co., Clarksburg, W. Va., $10,265; one double span each 23 ft. steel and concrete bridge, 25 ft. clear roadway and two 5 ft. sidewalks over Carroll Creek, on Brewers Alley, Contr. F-97, to M. J. Grove Lime Co., Lime Kiln, $6,214; and one double span each 23 ft. steel and concrete bridge, 34 ft. clear roadway and two 8 ft. 9 in. clear sidewalks over Carroll Creek, on West Patrick St. Contr. F-96, to F. N. Comitot, 2012 Maryland Ave., $8,312, all Frederick Co. Grand total $24,791.

Florida—State Road Dept., Tallahassee, 80 ft. low steel truss span on concrete piers and 336 ft. pile trestle approach bridge over Little River, Project 673-B, Gadsden Co., to Peterson & Earnhart, Montgomery, Ala., $55,932.

Ky., Carrollton—State Hy, Dept.. Frankfort, substructure, rein.-con. and steel bridge over Little Kentucky River, State Aid Project 13-A, Carroll Co., near here, to McCord & Neibert Constr. Co., Montezuma, Ind., $44,786; superstructure, to Vincennes Bridge Co., Vincennes, Ind., $17,292. Noted Sept. 2.

O., Akron—Substructure and approach walls for viaduct at East Exchange St. grade crossing, to T. E. McShaffrey Constr. Co., 173 South Forge St., limestone, $30,167, or gravel $29,535. Engrs. est. $42,900. Noted Aug. 26.

Michigan—E. R. Benkert, resident engr., Port Huron, F. A. Bridge 740901, 135 ft. steel deck girder, Sanilac Co., to Price Bros., Lansing, for State Hy. Dept., Lansing. $32,056. Noted Aug. 19.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, one 30 ft. span concrete girder bridge, one substructure for 150 ft. span steel bridge incl. seven 50 ft. concrete girder approach spans, on Route 13, Sect. 15-B, Perry Co., to Dees Bros., Oblong, $38,950; steel superstructure for same, to St. Louis Structural Steel Co., East St. Louis, $10,958.

Washington—See "Streets and Roads."

Dams

Bids Received

N. J., Newton—Town Com., Spring St., Aug. 30, repairs, additions and alterations at Morris Lake Dam, etc. at Morris Lake, Sussex Co., from J. W. Heller Co., South Orange Ave., South Orange, $59,470. Noted Aug. 26.

Contracts Awarded

Pa., Blairsville—Boro, 582 ft. dam, 53 ft. high, 38 m.g. capacity, on Chestnut Ridge, 4 mi. from here, to J. F. Casey Co., Aspinwall St., Pittsburgh, $115,137.

Railways

Proposed Work

Texas—Houston & Port Arthur Ry. Co., c/o W. Doherty, pres., Keystone Bldg., Houston, making preliminary surveys grading, bridging and 146 mi. steam railway between Houston and Port Arthur via Baytown, Goose Creek and Anahuac. Eng. Serv. Corp., Post Dispatch Bldg., Houston, engrs.

Oklahoma and Texas—S. W. Porter, Caney, Kan., made preliminary plans steam railroad from Ringling, Okla., through Grandfield to Lublock, Tex. $1,000,000. Engineer not announced.

California—Corona & Santa Fe Ry. Co. (subsidiary of Atchison, Topeka & Santa Fe Ry. Co., 80 East Jackson Blvd., Chicago, Ill., C. F. W. Felt, ch. engr.), plans 15 mi. railway in Riverside Co., here.

Bids Desired

Illinois—See "Contracts Awarded."
Arkansas—See "Contracts Awarded."

Bids Received

Massachusetts—Transit Dept., 1 Beacon, St. Boston, Aug. 31, Sect. 3 Dorchester Rapid Transit, from C & R Constr. Co., 75 Branden St., Rosindale, $626,550. Noted Aug. 12.

Contracts Awarded

Illinois—New York, Chicago & St. Louis R.R. Co., Prospect Ave. and East 2nd St., Cleveland, O., A. C. Harvey, ch. engr., will rebuild 12 mi. right-of-way and replace 80 lb. with 90 lb. rails from Edwardsville to Kaufman, here, by day labor.

Arkansas—Missouri-Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., will lengthen 4 tracks from 9 to 14 car capacity and cover same with umbrella type tops, install small engine terminal, incl. coaling track, repair shop, etc., in Hot Springs, by day labor. Soon takes bids water tank and probably engine house. $165,000.

Texas—Navigation Dist., c/o H. L. Washburn, aud., Houston, about 3 mi. standard gauge railroad at North Side Ship Channel, in Houston, to W. A. Smith, 210 West Bldg., Houston, $50,361.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mich., Ecorse—Wayne Co. Drain Comn., County Bldg., Detroit, made plans for Humphrey, Flanders & Drysdale Sub Tile Drain, 14,400 lin.ft. 8- to 24-in. vitr. crock pipe, etc. G. A. Dingman, 1264 West Grand Blvd., Detroit co. drain comr.

Ark., Osceola—D. D. 17 of Mississippi Co., soon takes bids oil or motor driven screw pumps, brick, tile, steel and concrete pump house, etc. $75,000-$100,000. C. M. Fairley, Osceola, engr.

Calif., Nestor—Tia Juana River Irrigation Dist. plans election $220,000 bonds, one 1,100 g.p.m. 150 ft. direct connect centrifugal pump plant, one 700 g.p.m. plant, same as above 500 gal. concrete reservoir, 66,761 ft. 4- to 18-in. pipe line. J. F. Covert, Box 553 National City, engr.

Calif., Tracy—Banta Carbona Irrigation Dist. plans election $340,000 bonds, 5 additional 60 sec. ft. pumps for stand-by system, concrete lining main canals, and constructing additional irrigation laterals. T. H. Means, 369 Pine St., San Francisco, engr.

Que., Cap-de-la-Madeline—St. Maurice Valley Corp., plans crib wharf. $100,000. S. G. Slater, Cap-de-la-Madeline, engr.

Bids Desired

Ia., Red Oak—Sept. 15, by C. Nimrod, aud. Montgomery Co., 10 mi. drainage ditch in Walnut Creek D. D. 10, 295,000 cu.yd. excav.

Ont., Toronto—See "Contracts Awarded."

Contracts Awarded

Mich., Grosse Pointe Shores (mail Grosse Pointe)—W. Wiedbush, village clk., 1,210 ft. concrete breakwater supported by wood piles and stone fill, dredging 32,600 cu.yd. etc., to A. J. Dupuis & Co., 1210 Ford Bldg., Detroit. Engrs. est. approximately $50,000. Noted July 29.

Ont., Toronto—Toronto Harbor Comrs., Harbor Bldg., will build rock levees in connection with Toronto Harbor development, by day labor. $50,000. J. G. R. Wainwright, Harbor Bldg., engr.

Streets and Roads

Proposed Work

Mass., Boston—Dept. Pub. Wks. plans reconstructing Cunard, Cabot, Davenport and Sardsfield Sts., also intervening section Tremont St. $25,000. J. H. Sullivan, comr.

W. Va., Charleston—Jefferson Dist., election Sept. 28, $288,000 bonds, improving roads. R. R. Barton, Charleston, co. engr.

N. C., Hamilton Lakes—Plans paving 3 or 4 mi. various streets. $100,000. A. M. Scales, mayor.

N. C., Selma—Soon takes bids curbing, guttering, paving, etc. various streets. $27,000. Gladding Eng. Co., Wilson, engrs.

Fla., Corley—Voted $100,000 bonds, streets, sewers, and waterworks in various streets.

Tenn., Petros—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 1.5 mi. outlet road from Bushy Mt. Coal Mine (State Prison), Morgan Co. $25,000. Work will probably be done by prison forces under direction of State Dept. Highways & Pub. Wks. L. W. Pope, dir. pub. institutions. C. N. Bass, highway engr.

O., Cincinnati—Plans concrete repaving, etc. 19,000 sq.yd. Fairbanks Ave. $200,571, 4,950 sq.yd. Losantiville Ave. $34,338, 4,000 sq.yd. Reid Ave. $25,000, 18,800 sq.yd. Kellogg Ave. $105,176, and 7,000 sq.yd. Lockland Ave. $71,293; also brick repaving 5,700 sq.yd. Elm St. $45,844. C. O. Sherrill, City Hall, engr.

O., Cincinnati—Hamilton Co. plans concrete repaving 22,000 sq.yd. Van Zandt Rd. $89,542. E. A. Gast, Court House, engr.

O., Cleveland—Election Nov. 2, $1,000,000 bonds, paving various streets. R. Hoffman, city engr.

O., Cuyahoga Falls—City Council takes bids in spring paving Roth Dr., $55,000; also Grant Ave., $41,800.

O., New Lexington—Plans grading, curbing, widening and brick, concrete or asphalt paving, etc. Bway. from Madison St., to Ferrart St. $27,500.

O., Youngstown—Takes bids in fall widening Market St. from Wayne to Southern Blvd., $2,100,000; also Watt St. from Federal to Front Sts., $1,100,000. G. Turner, Youngstown, engr.

Ind., Anderson—Madison Co. plans concrete paving 1½ mi. West 10th St. $75,000. M. A. Steele, Anderson, engr.

Michigan—R. A. Beers, resident engr., Kalamazoo, takes bids about Oct. 7, concrete paving 5.75 mi. F. A. 139, Sect. B, 20 ft., Berrien Co., for State Hy. Dept., Lansing.

Michigan—E. R. Benkert, resident engr., Port Huron, takes bids about Sept. 22, concrete paving 1.089 mi. T. L. 46-33, 20 and 36 ft., Tuscola Co., for State Hy. Dept., Lansing.

Michigan—E. R. Benkert, resident engr., Port Huron, takes bids about Sept. 24, concrete paving 1.155 mi. T. L. 38-8, 20 and 46 ft., Tuscola Co., for State Hy. Dept., Lansing.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about Sept. 22, concrete paving 3.277 mi. T. L. 54-15, Sect. A, 18 ft., Muskegon Co., for State Hy. Dept., Lansing.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about Sept. 23, two course graveling or water bound macadam paving, 3.057 mi. T. L. 99-2, 12 ft., Muskegon Co., for State Hy. Dept., Lansing.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about Sept. 29, concrete paving 0.7 mi. F. A. 155, Sect. A, 22 and 27 ft., Ottawa Co., for State Hy. Dept., Lansing.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, takes bids about Sept. 29, concrete paving 2.5 mi. T. L. 12-54, 20 ft., Dickinson Co., for State Hy. Dept., Lansing.

Michigan—G. H. Green, resident engr., Alpena, takes bids about Sept. 30, concrete paving 7 mi. T. L. 10-48, 20 ft., Arenac Co., for State Hy. Dept., Lansing.

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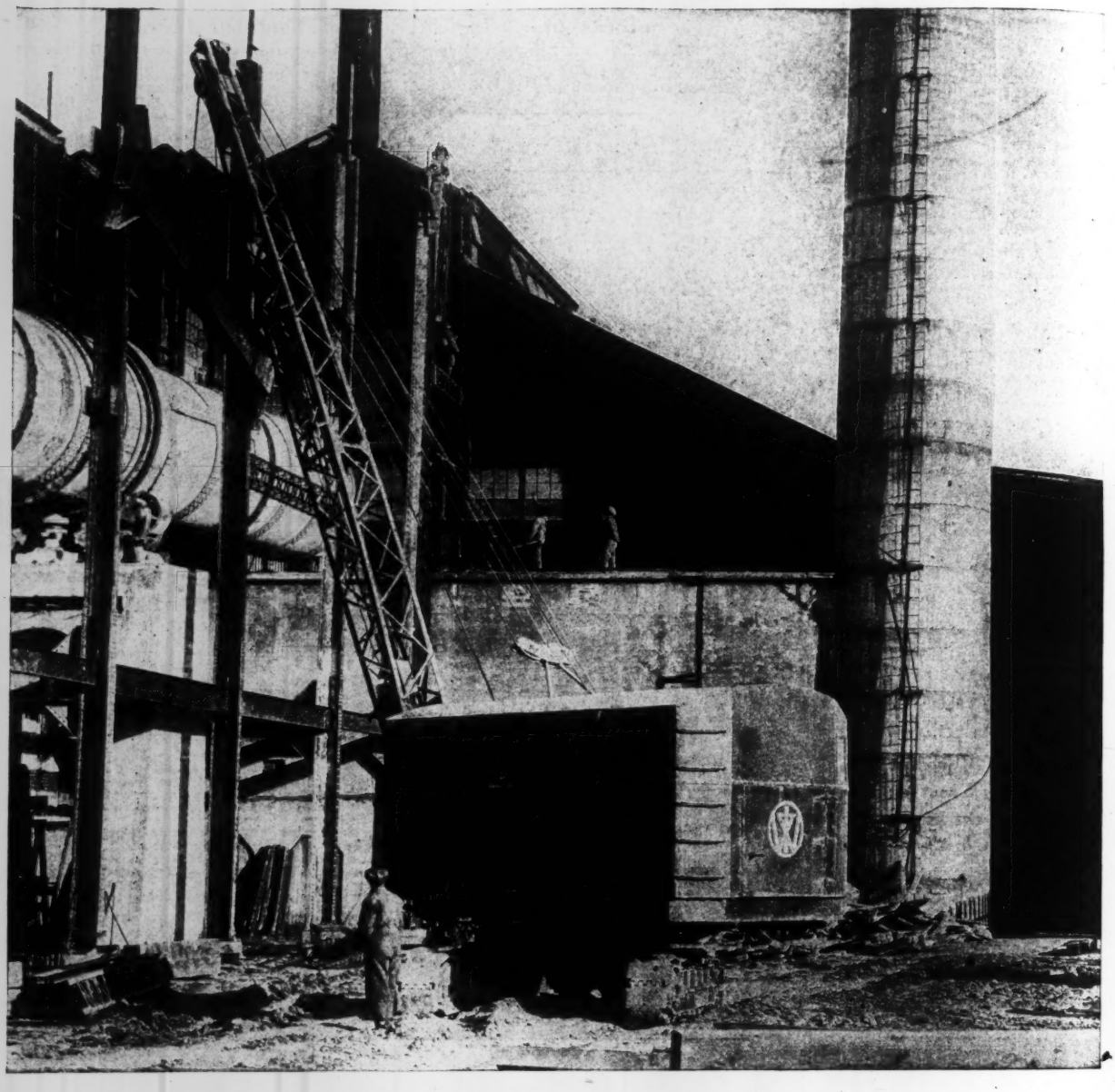

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INDUSTRIAL WORKS - - - BAY CITY, MICHIGAN

Streets and Roads (Continued)

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, takes bids about Oct. 11, two course graveling 8 mi. T. L. 35-10 B, 16 ft., Baraga Co., for State Hy. Dept., Lansing.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, takes bids about Oct. 7, two course graveling 3.5 mi. T. L. 45-1, 18 ft., Dickinson Co., for State Hy. Dept., Lansing.

Michigan—H. G. Oakes, resident engr., Cadillac, takes bids about Sept. 20, concrete paving 1.288 mi. T. L. 11-88, 20 ft., Manistee Co., for State Hy. Dept., Lansing.

Michigan—N. G. Oakes, resident engr., Cadillac, takes bids about Sept. 21, concrete paving 0.587 mi. T. L. 13-27, 20 and 52 ft., Antrim Co., for State Hy. Dept., Lansing.

Michigan—H. G. Oakes, resident engr., Cadillac, takes bids about Oct. 6, concrete paving 11. mi. F. A. 129, Sect. F, Benzie Co., for State Hy. Dept., Lansing.

Michigan—H. G. Oakes, resident engr., Cadillac, takes bids about Oct. 6, concrete paving 2.5 mi. T. L. 57-1 D, 20 ft.; and 1.437 mi. T. L. 57-1 B, 18 and 20 ft., Charlevoix Co., for State Hy. Dept., Lansing.

Michigan—H. G. Oakes, resident engr., Cadillac, takes bids about Oct. 12, two course graveling 9 mi. T. L. 20-3 B, 16 ft., Lake Co., for State Hy. Dept., Lansing.

Michigan—A. R. Schaefer, resident engr., Newberry, takes bids about Sept. 27, two course graveling 5.5 mi. T. L. 67-2, 16 ft., Alger Co., for State Hy. Dept., Lansing.

Michigan—C. Vinton, resident engr., Jackson, takes bids about Sept. 15, concrete paving 2.655 mi. T. L. 16-34, 20 ft., Clinton and Eaton Counties, for State Hy. Dept., Lansing.

Mich., Pontiac — Judson Bradway Co., 533 Majestic Bldg., Detroit, plans grading 75,000 cu.yd. streets in Washington Park Subdivision. $30,000.

Ill., Belleville — St. Clair Co. making preliminary plans widening, re-locating and paving Belleville - Millsteadt, Millsteadt - Floraville, French Village-Caseyville, and East St. Louis-Cahokia Rds.; paving and widening to 100 ft. State Highway Routes 3, 4 and 11 from 9th St. Subway in East St. Louis to St. Clair Co. line; and bridge on East St. Louis-Brooklyn Rd. To exceed $25,000. D. O. Thomas, Court House, Co. highway supt.

Ill., East St. Louis—Plans grading, curbing and concrete paving College Ave. $61,500. W. McK. Brown, City Hall, engr.

Kan., Kansas City—Wyandotte Co. plans concrete paving 2.502 mi. Federal Aid Project 309-C, 18 ft. O. K. Williamson, Kansas City, engr.

Mo., Moberly—Soon takes bids widening and asphalt on concrete repaving Rollins between Johnson and Moberly Sts. $30,000. C Haynes, City Hall, engr.

Mo., Springfield—Soon takes bids curbing and concrete paving 11,669 sq.yd. Atlantic St. S. R. Fisher, City Hall, engr.

Ark., Little Rock—Soon takes bids grading, curbing and paving 15 blocks Chester St., Paving Dist 438.

Tex., Brownsville—Plans election $300,000 bonds, permanent paving 30 mi. various streets. Total $800,000.

Tex., Lubbock—Plans paving 19th St. and Texas Ave. $35,000. M. Smith, Lubbock, engr.

Tex., Mercedes—Election soon $40,000 bonds permanent paving various streets. J. E. Haynes, mayor.

Tex., Midland—Election in September or early part of October, $50,000 bonds, paving approximately 10 blocks various streets. Engineer not selected.

Tex., San Antonio—Making plans permanent paving 8 blocks Corpus Christi Rd. from Conception Creek to city limits. $32,000. I. Ewig, city engr.

Tex., Wellington—Plans election $85,000 bonds permanent paving various streets. Address A. M. Hutcherson, mayor.

Oklahoma—State Hy. Dept., Oklahoma City made surveys grading, etc. 6 mi. Highway 8, Caddo Co., 30 ft., $45,000; and concrete paving 74,220 sq.yd. Guthrie-Mulhall Rd., Logan Co., $154,000. J. M. Page, highway engr.

Okla., Anadarko—Plans grading, curbing, guttering and sheet asphalt paving 11,225 sq.yd. Central Ave. $46,300. R. O. Bradley, Chickasha, engr.

Okla., Calumet — Making preliminary plans grading, curbing and concrete paving 8,000 sq.yd. Main St. $25,000. E. O. Gurnsey, mayor. Engineer not announced.

Okla., Guthrie—Voted $28,441 bonds, vertical fibre brick paving 2 660 sq.yd. and concrete paving 5,170 sq.yd. Capitol, Warner and Vilas Sts. $28,441. Y. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hinton—Made preliminary plans grading and concrete paving 9,000 sq.yd. Main St. $27,500. H. T. Miller, mayor. Engineer not selected.

Okla., Maysville — Making preliminary plans grading, curbing and concrete paving 9,700 sq.yd. Main and 1st Sts. $32,000. E. O. Swann, mayor. Engineer not selected.

Okla., Okmulgee—Plans grading, curbing and concrete paving 10,310 sq.yd. Morland and Rogers Aves. $31,225. W. C. Holleck, Okmulgee, engr.

Okla., Tipton—Plans grading, curbing, guttering and vertical fibre brick paving 11,800 sq.yd. Main St. $66,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Calif., Los Angeles—Made plans sidewalks and 6 in. concrete paving 222,905 sq.ft. Heliotrope Dr. and Willow Brook Ave.; curbing, guttering and 6 in. concrete paving, etc. 184,184 sq.ft. and 2 in. sheet asphalt wearing surface 3,484 sq.ft. 4th Ave. and 54th St. Impvt. Dist., also widening, etc., Pico St. between Santa Fe Ave. and Alvardo St., to exceed $25,000. J. Shaw, city engr.

Calif., Los Angeles—Plans sidewalks, curbing, guttering and asphaltic macadam paving Santa Barbara Ave., Hoover, Cimarron, Pomona, Clinton and 10th Sts. J. C. Shaw, Hall of Records, engr.

Calif., Nevada City—Voted $60,000 bonds, paving various streets.

Calif., Redwood City — Plans repaving Phelps St. $40,000. C. L. Dimmitt, city engr.

Calif., Riverside — Riverside Co. making plans 5 in. asphaltic concrete paving Rd. Dist. Impvt. 17, $165,000 or more; also paving 2 mi. Ironwood Ave. in Moreno Valley, to exceed $25,000. J. P. Flynn, Loring Bank Bldg., engr.

Calif., Santa Ana — Orange Co. made plans grading, curbing, concrete paving, etc. Co. Impvt. 3, D St., Pacific Ave. To exceed $25,000. J. L. McBride, Santa Ana, co. road comr.

Calif., Santa Cruz—Santa Cruz Co. plans, grading, (1st unit) Bodfish Canyon Highway. $20,000. Total to exceed $25,000. L. Bowman, Santa Cruz, co. surv.

Calif., Stockton—Made plans curbing, guttering, sidewalks and 1½ in. Warrenite bitulithic on 2½ asphaltic concrete paving 272,430 sq.ft. streets in Yosemite Subdivision. W. B. Hogan, city engr.

Calif., Yuba City — Sutter Co. plans paving, approximately 3 mi. road from point 1 mi. north of Riego to Sacramento Co. line. To exceed $25,000. C. W. Lanzendorf, Yuba City co. road comr.

Ont., Toronto—City plans asphalt paving Blackthorn and Silverthorn Aves., Leeds and Taylor Sts., $11,946; concrete curbing Leeds St., $179; concrete paving 3 lanes, $16,127; concrete sidewalks on Jedburgh Rd. and Queen St. W., $3,823. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans sheet asphalt paving 7,000 sq.yd. Belsize Dr. $35,181. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans asphalt on concrete paving Heather St., Brookdale and Chudleigh Aves., $29,481; concrete paving Lane 1st north of Dundas St. and Lane 1st west of Montrose Ave., $9,808; and concrete sidewalks on Heather St., $1,034; concrete guttering, curbing, asphalt on 6 in. concrete paving Geary Ave., $18,204; concrete curbing and paving Lane Sts., $13,058. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. plans concrete curbing, brick block guttering and asphalt paving Boon Ave., $15,100; concrete curbing, brick guttering and asphalt paving Hurstings Ave. and Humewood Gardens, $9,732; and concrete sidewalks on Humewood Gardens, Preston and Weston Rds. and 10 Avenues, $42,511. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Massachusetts—Sept. 14, by Dept. Pub. Wks., Boston, bituminous macadam paving 2,800 ft. highway in Saugus, also graveling and bituminous macadam paving 2,700 ft. in Bellingham. W. F. Williams, comr.

Mass., Boston—Sept. 16, by Metropolitan Dist. Comn., 1 Ashburton Pl., grading, surfacing and concrete bridge on Old Colony Parkway. To exceed $25,000. J. R. Rablin, 1 Ashburton Pl., engr.

N. Y., Brooklyn—Sept. 15, by J. A. Guider, pres. Brooklyn Boro., Boro Hall, repaving Cypress Hill and Westminster Rds., Dumont and Surf Aves., King, Luquer and Melrose Sts., grading and flagging Pacific St., and Pitkin Ave.; also paving Ave. U.

N. Y., New York—Sept. 16, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block on concrete repaving Canal St. W.; sheet asphalt on concrete paving Avenue St. John, Kingsbridge, Forest, College and Walton Aves., East 172nd St., etc.; grading curbing, sidewalks, etc. on Van Cortlandt, Colden and Crosby Aves.; sidewalks on Hollywood Ave.; and bituminous concrete paving Van Cortlandt Ave. and Mosholu Parkway North.

N. J., Oakhurst—Sept. 16, Ocean Twp., rein.-con. paving 1,624 ft. Bungalow Pl., Wanamassa Rd. and North Wanamassa Dr. J. W. Seaman, 210 Long Branch, engr.; adv. E. N.-R. Sept. 9.

N. J., Ocean City—Sept. 20, by Bd. City Comrs., J. R. Hildreth, clk., sheet asphalt on concrete paving approximately 97,000 sq.yd. various streets. W. H. Collisson, Jr., city engr.; adv. E. N.-R. Sept. 9.

Pennsylvania—Sept. 24, by State Hy. Dept., Harrisburg, rein.-con. or bituminous macadam paving approximately 40 mi. roads in Allegheny, Armstrong-Indiana, Beaver, Clarion, Clearfield, Crawford, Dauphin, Delaware, Elk, Fayette, Huntington, Montgomery, Northumberland, Pike and Potter Counties. W. H. Connel, eng. executive and deputy secy. highways; adv. E. N.-R. Sept. 9.

Fla., Maitland—Sept. 21, by Town Council of Lake Maitland, here, sidewalks and paving various streets. E. T. Owen, town clk.; adv. E. N.-R. Sept. 9.

Michigan—Sept. 13, by State Hy. Dept., at office village clk., Parma, concrete paving 15,820 sq.yd. F. A. 89 F, and 17-29, Jackson Co. C. Vinton, Jackson, resident engr. Noted Sept. 2.

Michigan—Sept. 15, by C. Vinton, resident engr., Jackson, concrete paving 31,353 sq.yd. T. L. 16-34, Eaton and Clinton Counties, for State Hy. Dept., Lansing.

Michigan—Sept. 16, by A. M. Hopperstead, resident engr., Crystal Falls, concrete or penetration macadam paving 53,663 sq. yd. S. T. L. 15-23, Houghton Co., for State Hy. Dept., Lansing. Former bids rejected.

Michigan—Sept. 16, by W. W. Lavers, resident engr., Plymouth, concrete paving 60,404 sq.yd. F. A. 212, Sect. B, Macomb Co., for State Hy. Dept., Lansing. Noted Sept. 2.

Michigan—Sept. 22, by A. R. Schaefer, resident engr., Newberry, concrete paving 33,554 sq.yd. F. A. 190, Sect. A, Luce Co., for State Hy. Dept., Lansing.

Michigan—Sept. 22, by A. R. Schaefer, resident engr., Newberry, concrete paving 26,436 sq.yd. T. L. 25-6, Luce Co., for State Hy. Dept., Lansing.

Michigan—Sept. 23, by H. C. Fleming, resident engr., Grand Rapids, two course graveling 22,701 sq.yd. T. L. 99-2, Muskegon Co., for State Hy. Dept., Lansing.

Mich., Marshall—Sept. 15, by Calhoun Co., one course gravel surfacing 3.954 mi. Le Roy-Athens Rd., 9 ft. E. R. Puffer, Marshall, engr.

Mich., Pt. Huron—Sept. 15, by St. Clair Co., grading, etc. and 2 course gravel surfacing 10,614 sq.yd. County Project A. D. 59; and grading, curbing, guttering and concrete paving 16,962 sq.yd. Project A. D. 87.

Ill., Staunton—Sept. 14, by Bd. Local Impvts., City Hall, grading, curbing, guttering and 7 in. rein.-con. paving 8,200 ft. Main, Pearl, Hibbard, Edward, North and Hackman Sts., incl. Highway 4, 30 ft. $112,472. State Hy. Dept. will pay for center 18 ft. and city remaining 12 ft. for Highway 4. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted July 22.

Kan., Atchison — Sept. 29 (extended date) by Clerk Atchison Co., concrete or brick paving 0.513 i. Federal Aid Project 350-B, and grading, etc. 6.104 mi. Federal Aid Project 350-A, 18 to 51 ft. R. D. Coleman, Atchison, co. engr.

Mo., Albany—Sept. 13, by C. Giboney, city clk., grading, curbing, guttering and approximately 6 in. rein.-con. paving 29,000 sq.yd. various streets. J. E. Rider, Richmond, engr.

Calif., San Diego—Sept. 20, by Common Council, grading, curbing, etc. and 5 in. concrete paving, etc. 242,984 sq.yd. Coast Blvd., Olivitas St., etc. A. H. Wright, city clk.

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Sept. 1, from Sicilian Asphalt Paving Co., 41 Park Row, New York City, asphalt paving Boerum Pl. $3,620, and Scholes St. $3,592; from B. Turecamo Contg. Co., 8906 16th Ave., Kings Highway $19,880. Kings Highway $26,231

Constr. News page 171

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Streets and Roads (Continued)

and Quentin Rd. $7,769; from Cranford Co., 52 9th St., Union St. $6,665; from Uvalde Asphalt Paving Co., 1 Bway., New York City, Union St. $14,017. Noted Aug. 26.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., Aug. 31, widening and sheet asphalt on concrete repaving 40th St. from Park Ave. to 6th Ave., from Sicilian Asphalt Paving Co., 41 Park Row, $31,359. Noted Aug. 26.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, Sept. 1, grading and paving Winter St., from J. I. Kelly, 1150 Forest Ave., Port Richmond, $14,384; sidewalks on Forest Ave., from F. J. Zarelli, Inc., 390 Carey Ave., $3,789; grading and bituminous macadam paving Ocean Ave., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $8,340. Noted Aug. 26.

Md., Baltimore—Bd. Awards, Aug. 25, sheet asphalt paving 16,250 sq.yd. streets as listed in Contr. 363, from Amer. Paving Co., Montebello Ave., $71,533; and redressed granite block paving 3,500 sq.yd. Contr. 364, from G. Long Contg. Co., 1st Ave. and 12th St., $11,171.

South Carolina—State Hy. Dept., Columbia, Aug. 26, topsoiling 7 mi. State Project S-555, State Route 93, Lancaster Co., from Nichols Contg. Co., La France St., Atlanta, Ga. $41,055 and 8.3 mi. Route 18, State Project S-635-A, Oconee Co., from Davis, McGee-Mule Co., Anderson $54,171, constructing 8.4 mi. State Route 45, State Project S-630-A, Calhoun Co., from J. F. Blankenship, Greenwood $36,346; approach fills to Enoree River Bridge Route 8, State Project S-600, Greenville Co., from Leonard & Rhodes, Spartanburg, $4,347.

O., Cincinnati—Grading, curbing, concrete repaving 23,000 sq.yd. Kellogg Ave. from Bigler Bros., Middletown, $130,315, engrs. est. $155,890; also vertical fibre brick repaving, etc. 17,500 sq.yd. Florence Ave. from Andrews Asphalt Co., Hamilton, $113,-811, engrs. est. $137,296.

Michigan—E. R. Benkert, resident engr., Port Huron, concrete paving 4.957 mi. F. A. 239, Sect. A, 20 ft., Tuscol Co., from R. R. Scott Co., Saginaw, for State Hy. Dept., Lansing. $153,944.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, concrete paving 2.037 mi. T. L. 12-45, 18 ft., Dickinson Co., from Benzie & Son, Norway, for State Hy. Dept., Lansing. $60,750. Noted Aug. 19.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, concrete paving 4.585 mi. T. L. 15-23, 20 ft., Houghton Co., from J. Bacco, Marquette, for State Hy. Dept., Lansing. $216,133.

Wis., Milwaukee—H. W. Vroman, div. engr., Milwaukee, concrete surfacing, etc., 2.31 mi. Milwaukee-Pewaukee Rd. 20 ft., Federal Aid Project 349-C, Milwaukee Co., from Nickell-Grahl Constr. Co., Medford, $72,696.

Ark., Little Rock—Resurfacing 15,000 sq. yd. Paving Dist. 444, from M. D. L. Cook, Home Life Bldg., asphalt $30,532, and warrenite $30,015. Engrs. est. $43,788. Noted Aug. 12.

Colorado—State Hy. Dept., Denver, Aug. 25, gravel surfacing 5.888 mi. Highway 6, Federal Aid Project 299-A, Delta Co., from Strange & Maguire, Box 622, Pueblo $51,-583 and 2.237 mi. Highway 4 Federal Aid Project 297-B, Mesa Co., from Winterburn & Lunisden, Grand Junction $30,581; grading 6.417 mi. Highway 4, Federal Aid Project 292-A, Eagle Co., from H. C. Lallier Constr. Co., Continental Trust Bldg., Denver, $92,592; paving, graveling and bridging 0.778 mi. Highway 6, Federal Aid Project 271-B, Fremont Co., also 60 ft. steel bridge on concrete abutments on State Project 614-A, same road, from H. M. Fox, Florence, $58,803 and $5,172 respectively; 34 ft. concrete bridge on Highway 4, State Project 584 and 20 ft. concrete slab bridge on State Project 584-B, both El Paso Co., from J. R. Donaghy, Colorado Springs, $4,079 and $3,451 respectively.

Calif., Los Angeles—From Warren Constr. Co., 2221 East 25th St., improving Virgil Ave., 106,408 sq.ft. asphalt paving at $0.23 per sq.ft., etc., total $38,078; from W. Liddington, 420 East 60th St., 3rd Ave., 184,-184 sq.ft. 6 in. concrete paving $0.175, etc., total $37,899, and Heliotrope Dr., 222,904 sq.ft. concrete paving $0.1749, etc., total $45,813.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous concrete paving 30,000 ft. highway in Edgartown, Oak Bluffs and Tisbury, to M. F. Roach, 35 Spring St., East Bridgewater $112,947 and 2,517 ft. in Harwich, to Washburn & Sheridan, East Taunton $15,-995; also bituminous macadam paving 1,900 ft. in Wendham, to Welch & Moynihan, 15 Front St., Salem, $11,984. Grand total $140,926. Noted Sept. 2.

Massachusetts—Dept. Pub. Wks., Boston, grading, etc., 23,088 ft. highway in Williamstown, to R. Hopkins, 86 State St., Albany, N. Y., $299,487.

Mass., Boston — Sheet asphalt paving Dudley St., to John McCourt Co., 910 Huntington Ave., $30,761. Noted Sept. 2.

Mass., Brookline (Boston P. O.)—Sheet asphalt paving Cypress St., to J. McCourt Co., 910 Huntington Ave., Boston. $21,100. Engrs. est. $25,000.

Conn., New Haven—Bituminous macadam paving Sect. 2, Forbes Ave., to C. E. Blakeslee & Sons, 58 Waverly St., $52,172. Engrs. est. $50,000.

New York — Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. paving roads in Bedford, Northcastle and Rye, also vitr. brick on rein.-con. paving road in Tuckahoe, to Molloy & Murrary, Saw Mill River Rd., Yonkers; and granite block paving road in Mt. Kisco, to Immick Co., State St., Meriden, Conn. Engrs. est. approximately $25,000. Noted July 1.

N. Y., Albany—B. Contr. & Supply, to F. Sheehan, Inc., 446 Yates St., concrete paving Cardinal Ave. $37,504, Fleetwood Ave. $32,814, and Van Schoick Ave. $32,029; to M. F. Dollard, Jr., 87 Lexington Ave., Pleasant St. $9,580, Mountain St. $29,568, Whitehall Rd. $125,775, sidewalks on Southern Blvd. $3,257, and sewer in West Lawrence St. $511, and to J. F. Smith, 16 High St., in Holmes Court, $2,321. Grand total $273,359. Noted Sept. 2.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to O'Brien & Kurth, 8625 137th St., Flushing, grading Van Wyck Ave. $897, Sutphin Blvd. $2,534, and Crescent St. $2,444, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Corona Ave. $87,005; to Welsh Bros. Contg. Co., 32 Queens St.; granite block paving Meadow St. $11,728; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt paving Rockaway Blvd. $239,275, and to Highway Impvt. & Repair Co., 50 Church St., New York City, Black Stump Rd. $55,590. Grand total $399,473. Noted Sept. 2.

New Jersey—State Hy. Dept., Trenton, concrete widening 7,500 sq.yd. Route 4, Sect. 3B, Middlesex Co., to C. H. Winans Co., 207 Broad St., Elizabeth, $52,084; rein.-con. paving 38,910 sq.yd. Route 12, Sect. 8, Essex Co., to P. Camill & Co., 335 Spring St., Westfield, $179,960. Noted Sept. 2.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving 59,752 ft. R. 93, Sects. 1 and 2, Warren and Forest Counties, to Kirkpatrick & Wallis, Johnsonburg, Pa., $266,787; 23,923 ft. R. 69, A. 3031 and 3764, Armstrong Co., to W. W. Harper Constr. Co., Somerset, $183,327; 10 896 ft. A. 3986, Alleghany Co., to S. W. Scott, Hays, $162,119; 17,242 ft. R. 130, A. 3692, Delaware Co., to Union Paving Co., 30th and Locust Sts., Phila., $191,479; 26,-534 ft. R. 441, A. 441, York Co., to Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., $189,294; 17,626 ft. R. 188, A. 3913 and 1914, Westmoreland Co., to State Constr. Co., New Kensington, $182,-459; and 11,017 ft. R. 87 and 258, Erie Co., to Winter & Yaple, Erie, $93,269. Grand total $1,268,734. Noted Aug. 26.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to E. A. Mullin, Inc., 5512 Vine St., grading Edgewood St. $476; to Daffin Bros., 3643 South 11th St., Gillingham and Sellers Sts., $1,625; to T. Conner, 3621 North 5th St., Horrocks and Anchor Sts., $2,783; to Eastern Asphalt Co., Penna. Bldg., asphalt paving and repaving Emlen St. $7,602, Woodbine St. $26,216, and Wolf St. $19,432; to Union Paving Co., 123 South 21st St., Oxford St. $6,195, Sedgley St. $24,-754, Wakeling (Godfrey) St. $11,383, Allegheny St. $50,747, redressed granite block repaving Arch St., $64,721, 52nd St., $34,-665, and furnishing sand for asphalt mixtures $2,091; to United Paving Co., Real Estate Trust Bldg., redressed granite block repaving Lombard St. $7,761, Rising Sun St. $4,304, Walnut St. $1,919, 9th St. $8,229, 17th St. $12,441; to C. G. C. Centrone, Bailey Bldg., Watts St. $4,575; to Acchione Contg. Co., 755 South Warrock St., 11th St. $32,711; to Mazzola & Marano, Inc., 739 South 7th St., 15th St. $7,070; to General Crushed Stone Co., North America Bldg., furnishing crushed stone $7,140; and to Atlantic Refining Co., 260 South Broad St., furnishing bituminous material $3,960. Grand total $342,800.

Pa., Pittsburgh—Dept. Pub. Wks., City County Bldg., grading, curbing and paving Virginia and Sommers Aves., to Booth & Flinn Ltd., Forbes St., $73,251 and $26,101 respectively, engrs. est. $75,000 and $27,000 respectively; Breckenridge St., to Dunn & Ryan Co., 3918 Swineburn Ave., $65,140, engrs. est. $70,000. Grand total $164,492.

Pa., Pittsburgh — Dept. Pub. Wks., repaving Virginia Ave. and grading, curbing and paving Aliquippa St., to Booth & Flinn Ltd., Forbes St., $34,143 and $24,637 respectively engrs. est. $35,000 and $25,000 respectively, also Cooper and Cypress Sts., to M. O. Herron Co., South McKean St., $30,698 engrs. est. $40,000. Grand total $89,478.

Pa., Pittsburgh—Allegheny Co., rein.-con. paving Warrendale and Bayne Rds., Contr. 1, to Kemena Lumber Co., Ambridge $126,-191, engrs. est. $150,000; and Duncan Ave. extension, to J. S. Haley, South 24th St., $149,930, engrs. est. $150,000.

Pa., Pittsburgh—Allegheny Co., (e. e. means engrs. est.) vitr. brick on concrete paving 2,300 ft. Baldwin St., to McCrady Bros., Braddock, $39,200 e. e. $40,000 and 5,560 ft. Beaver Rd., to T. Cronin Co., South 18th St., $239,910 e. e. $250,000; bituminous penetration on slag paving 9,265 ft. Glen Mitchell Rd., to G. S. White Co., Jenkins Arcade, $60,810 e. e. $75,000, also 2 415 ft. Bradford and Wexford Rds., to Kimena Lumber Co., Ambridge, $25,717 e. e. $30,000. Grand total $362,637. Noted July 22.

Pa., Uniontown — Fayette Co., paving Brazwell-Laureldale Project to H. C. Brooke, $65,601; and Searights-Pleasant View Project, to Cochran Constr. Co., Uniontown, $54,597.

Maryland—State Rds. Comn., Baltimore, concrete paving Contr. P-68, and graveling Contr. P-65, to Southern Maryland Contr. Co., Baltimore, $21,537 and $17,785 respectively, also Contr. P-69, to H. S. Swann, La Plata, Md., $7,898, all in Prince George Co. Grand total $47,220. Noted Aug. 5.

Md., Baltimore—Grading and concrete paving footways as listed in Footway Contr. 96, to B. Apicella, 224 Albemarle St., $29,180.

Md., Baltimore—B. Awards, sheet asphalt paving 8,200 sq.yd. streets listed in Contr. 361, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $29,644; and concrete paving 10,760 sq.yd. Contr. 362, to P. Reddington & Son, 2 East Lexington St., $26,180. Noted Aug. 26.

Florida—State Road Dept., Tallahassee, grading, clearing, grubbing, etc. 9.393 mi. Palm Hammock-Hendersons Creek Rd., 30 ft., Project 669-X, Collier Co., to Alexander, Ramsey & Keer, Everglades $94,695, and 7.89 mi. road, Project 592, 30 ft., Franklin Co., to Bennett Constr. Co., Dothan $43,-423; and concrete on broken stone surfacing 15.99 mi. Suwannee River-Madison Rd., 18 ft., Project 565, Madison Co., to Johnson, Drake & Piper, Miami Beach, $422,065. Noted Aug. 19.

Florida—State Road Dept., Tallahassee, 6 mi. concrete shoulders on present brick paving Project 14, Santa Rosa Co., to Prichett, Patterson & Blackburn, Box 3351, Clear Water, $87,782; clearing, grubbing, grading, etc. 13.5 mi. Project 676-C, Levy Co., to Langston Constr. Co., Orlando $84,-633 and 6.95 mi. 677-A, Levy Co., to A. J. Hoffman, Jacksonville, $34,955. Grand total $207,370.

Fla., Coral Gables—Grading, curbing, oil on rock surfacing 1,206,780 sq.yd. streets in Highway Impvt. Dist. H-2, to H-21, and 4,328 610 sq.ft. sidewalks in Impvt. Dist. SK-6, to Pierce & Co., Coral Gables.

La., Baton Rouge — East Baton Rouge Parish, grading and asphaltic concrete paving Perkins Rd., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $63,200; and sidewalks on road between here and University, to T. L. Boseman, Baton Rouge, $18,000.

La., Baton Rouge—For 3 in. brick on 5 in. concrete paving River Rd., and warrenite paving Government St., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $26,805 and $12,906 respectively, also 4 streets, to Southern Roads Co., Amer. Trust Bldg., Birmingham, Ala., $20,892. Grand total $60,603.

Tenn., Chattanooga—Hamilton Co., grading, concrete paving, etc. 24,000 sq.yd. road up Lookout Mountain, to J. R. Cothran, Candler Bldg., Atlanta, Ga., $100,103. Noted Feb. 11.

Kentucky—State Hy. Dept., Frankfort (S. P. means State Project), grading, etc., 1.424 mi. Carrollton-Milton Rd., S. P. 13-B, Carroll Co., and 1.062 mi. Shelbyville-Frankfort Rd., S. A. 17-A, Shelby Co., to Mason Constr. Co., West Point, $22,074 and $20,755 respectively; also 10.4 mi. Flemingsburg-Hillsboro Rd., S. P. 33-A, Fleming

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Streets and Roads (Continued)

Co., to J. M. Perkins Co., Frankfort, $90,417; bituminous macadam paving 6 mi. Lexington-Maysville Rd., S. P. 20-A, Fleming Co., to R. B. Tyler Co., 114 South 4th St., Louisville, $138,355; and waterbound macadam paving 4.6 mi. Cynthiana-Carlisle Rd., S. P. 584, Harrison Co., to Murphy & Kerr, Georgetown, $48,750. Grand total $320,351. Noted Aug. 5.

O., Crooksville — Grading, curbing and concrete paving, etc., Maple Ave., East Main, Whitehouse, Taylor and McKeever Sts., to W. F. Payne, Springfield, $31,711.

Ind., Brownstown—Jackson Co., paving Schluesmeier Rd., to Hancock & Kieffer, Brownstown, $30,338; and Moore Rd., to Ford Reed, Freetown, $3,596. Engrs. est. $39,438. Noted July 22.

Ind., Lebanon—Boone Co., constructing Bowen Rd., to E. S. Stansell, Lebanon, $15,213; and Isenhower Rd., to F. G. Pigg, 7th and Haythorne Sts., $15,618. Engrs. est. $34,400. Noted Aug. 5.

Ind., Plymouth — Marshall Co., paving Bliley Rd., to V. Romine, Plymouth $9,485, McVey Rd., to A. Hatfield, Plymouth $15,741, and Jacobson Rd., to W. Hepler, Plymouth $6,350. Grand total $35,651. Engrs. est. $35,651. Noted July 22.

Ind., Valparaiso — Porter Co., paving Tratebas Rd., to T. C. Eadus, Kouts, $18,270; and Buchannan Rd., to R. De Mass, Chesterton, $7,293. Engrs. est. $26,321. Noted July 22.

Michigan—E. R. Benkert, resident engr., Port Huron, concrete paving 4.957 mi. F. A. 239, Sect. A., 20 ft., Tuscola Co., to R. R. Scott Co., Saginaw, for State Hy. Dept., Lansing. $153,944. Noted Aug. 5.

Michigan — A. M. Hopperstead, resident engr., Crystal Falls, concrete paving 2.037 mi. T. L. 12-45, 18 ft., Dickinson Co., to Benzie & Son, Norway, for State Hy. Dept., Lansing. $60,750.

Michigan—W. W. Lavers, resident engr., Plymouth, concrete paving 4.037 mi. F. A. 74 A, B and C, 20 and 40 ft., Washtenaw Co., to Lewis & Fusinger Co., Ann Arbor, for State Hy. Dept., Lansing. $142,262. Noted July 22.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 6.924 mi. F. A. 138, Sect. A, 20 ft., Bay Co., to H. C. Nelson, Muskegon, $196,026; and structures, to C. D. Wilson, St. Louis, Mo., $14,915, for State Hy. Dept., Lansing. Noted Sept. 2.

Michigan — C. Vinton, resident engr., Jackson, concrete paving 11.798 mi. F. A. 197, Sect. A, 20 ft., Branch Co., to Mollering Eng. Co., Fort Wayne, Ind., for State Hy. Dept., Lansing. $353,902. Noted Aug. 19.

Michigan — C. Vinton resident engr., Jackson, concrete paving 4.098 mi. F. A. 144, Sect. B, 20 ft., Eaton Co., to Kalamazoo Paving Co., Kalamazoo, for State Hy. Dept., Lansing. $125,798.

Mich., Crystal Falls—Iron Co., 7 in. concrete paving 5 mi. Highway 12, Federal Aid 162 A, to H. Holmes, Crystal Falls, $176,542. Noted June 3.

Mich., Iron Mountain — Dickinson Co., concrete paving 2.437 mi. roads in Breitung Twp., to M. J. Bacco, Iron Mountain, $61,975.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 0.32 mi. Route 8, Sect. 40-V-1, Knox Co., to Central Eng. Co., Putnam Bldg., Davenport, Ia. $13,014, 7.19 mi. Route 7, Sect. 30, La Salle Co., to Duncan Constr. Co., La Salle $138,265, 4.58 mi. Route 13, Sect. 15, Jackson and Perry Counties and 7.2 mi. Route 13, Sect. 16, Perry Co., to Hoeffken Bros., Belleville $245,000, 2.2 mi. Route 3, Sect. 3, Cass Co., to E. T. Tegge Constr. Co., Papineau $36,985, 2.15 mi. Route 42, Sect. 112-W, Cook Co., to Highways Constr. Co., Highland Park $73,653, 0.17 mi. Route 28, Sect. 11-W, Henry Co., to H. Zolper & Sons, Mendota $14,492, 3.41 mi. Route 8, Sect. 44 incl. 0.84 mi. gravel surfacing, also 3.15 mi. Route 8, Sect. 45, Knox Co., incl. 0.28 mi. gravel surfacing, to Cameron, Joyce & Co., Keokuk, Ia. $95,198, grading 1.75 mi. Route 13, Sect. 15-A, Perry Co., to King & Shehan, Dudley $30,297; grading, paving and widening Route 11, Sect. 42-S, Madison Co., to Stocker Gravel & Constr. Co., Highland, $11,632. Grand total $658,536. Noted July 8 and 29.

Ill., Chicago—Cook Co. Highway Dept., County Bldg., improving 5 mi. Lake-Cook Rd., to G. Welch, 214 East Water St., Beloit, Wis., $232,620. Noted July 29.

Ill., Chicago—Ed. Local Impvts., Room 207, City Hall, widening 0.75 mi. Chicago Ave. from 50 to 70 ft., to White Paving Co., 1735 Fullerton Ave., $650,000.

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Ill., Kewanee—Grading, curbing, concrete and vibrolithic concrete paving streets in Dists. 875, 878, 883, 884, 890, 891, 894 and 895, to Tegge Constr. Co., Papineau, $123,000. Noted Apr. 22.

Ill., Libertyville—Concrete paving Sunnyside Subdivision and Bway St., to James Cape & Sons, 468 Water St., Racine, Wis., $89,000 and $25,000 respectively.

Ill., Maywood—Concrete paving various streets, to Jaicks Bros., 107 North Clark St., Chicago, $26,975.

Ill., East St. Louis—Soon takes bids grading, curbing and asphaltic concrete paving 10th St. from Bway. to St. Louis Municipal Bridge Approach. $46,300. W. McK. Brown, City Hall, engr. Noted July 1.

Wisconsin—State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee, grading and concrete paving, etc., 27,409 sq.yd. Milwaukee-Pewoukee Rd., Federal Aid Project 349-C, Milwaukee Co., to Nickell-Grant Constr. Co., Medford, $72,696. Noted Aug. 19.

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., rein.-con. and Kentucky rock asphalt surfacing Windsor, 7th, 8th, 9th and 10th Aves., to Jacobus & Winding Concrete Constr. Co., 1 State St., $41,355.

Wis., Milwaukee—Sidewalks on 42nd and 45th Sts., to N. Harris, 417 Juneau Pl., $3,513 and $4,068 respectively; vibrolithic concrete paving 55th St., to Schwerm Bros., 50 Lee St. $13,083 and North Water, Brady and Van Buren Sts., to J. Bluhm & Son, 12988 Achilles Pl., $12,076. Grand total $32,740.

Wis., Oconto—P. T. Meeuwsen, city clk., to Christ Johnson, City Natl. Bank Bldg., Oshkosh, improving Main and Mott Sts., Superior and Scherere Aves., 15,000 sq.yd. paving at $2.14 per sq.qd., 13,760 lin.ft. curbing and guttering $0.72 and 4,000 cu.yd. excav. $0.50. Noted Aug. 5.

Ia., Bedford—Grading, curbing and concrete paving 11.027 sq.yd. various streets, to J. S. McLaughlin & Sons, 519 Insurance Exch. Bldg., Des Moines, $32,756.

Ia., Clinton—Warrenite paving various streets, to McCarthy Impvt. Co., 802 Kahl Bldg., Davenport, $32,388; and concrete paving various streets, to Clinton Eng. Co., 405 Wilson Bldg., Clinton, $36,462.

Ia., Iowa City—Grading, curbing, guttering and rein.-con. paving, etc. 13,860 sq.yd. various streets, to W. Horrabin Contg. Co., Iowa City, $30,077. Noted June 24.

Mo., Salem—Grading, curbing and rein.-con. paving 14,000 sq.yd. various streets, to H. Tidd, Brookfield, $42,030. Engrs. est. $40,000.

Mo., Springfield — Curbing and concrete paving 13,564 sq.yd. Delaware Ave., to E. V. Koch, 2001 Bird St., Joplin, at $1.88 per sq.yd.

Ark., Batesville—Grading, sheet asphalt on concrete paving, etc. 18 blocks Paving Dist. 5, to Kaw Paving Co., 615 N. E. Bldg., Topeka. Engrs. est. $75,000. Noted May 20.

Ark., Conway—Grading, curbing, guttering, sewers and paving 51,400 sq.yd. Paving Dist. 12, to Phoenix Constr. Co., Ft. Smith, $127,229. Engrs. est. $125,000-$150,000.

Okla., Weatherford — Grading, curbing and concrete paving 9,470 sq.yd. East Main St., to Ward-Beekman-Brooks, 1810 East 9th St., $27,737. Engrs. est. $29,221.

Colorado—State Hy. Dept., Denver, grading 3.606 mi. Highway 103, State Project 551-A, Clear Creek Co., to L. E. Smith & Co., 1957 South Logan St., Denver, $74,223.

Colo., Denver—Asphaltic concrete paving Capitol Hill Paving Dist. 34, to Levy Constr. Co., Symes Bldg., $58,378; Park Hill Paving Dist. 7, to Allied Contractors, Inc., Majestic Bldg., $47,326; and North Denver Paving Dist. 9, to Western Paving & Constr. Co., 5230 Washington St., $24,708. Grand total $130,412.

Nevada—State Hy. Comn., Carson City, grading, graveling, etc., road between 5 mi. south of Connors Pass and Connors Pass, Federal Aid Project 94-D, White Pine 7-A-3, Contr. 149, White Pine Co., to W. Hoops, Ely, $19,644; road between Clark and Derby, Federal Aid Project 98-B, Washoe 1-C-2, Contr. 150 Washoe Co., to Isbell Constr. Co., Fresno, Calif., $71,271; road between point 8 mi. north of Tonopah and point 30 mi. south of Manhattan, Nye 8A-A, Contr. 151, Nye Co., to J. N. Tedford, Fallon, $19,999. Grand total $110,914. Noted Aug. 12.

Washington—State Hy. Dept., Olympia, grading, etc. 1.63 mi. State Rd. 5, Pierce Co., to J. M. Brewster, 232 Pioneer Bldg., Seattle $35,687, 5.53 mi. State Rd. 22, Lincoln Co., to Logan Bros., 21 Stangier Bldg., Pendleton, Ore. $41,456 and 1.77 mi. State Rd. 4, Okanogan Co., to Cole & Strong, Oroville, $13,835; also bridges across Salmon and Naselle Rivers on State Rd. 12, Pacific Co., to D. Nygren, 410 Lyon Bldg., Seattle, $23,484. Grand total $114,826. Noted July 29.

Wash., Seattle—For 6 and 7 in. concrete paving 29,320 sq.yd. North and East 77th St., to R. G. Stevenson, 1237 Northlake St. $69,486; paving East 73rd St., et al., from J. L. Smith, 304 West 36th St., $73,744 and grading 20th Ave. N. E., et al., to Odman Contg. Co., 2534 33rd Ave., S., $6768, engrs. est. $78,020. Grand total $212,998.

Calif., Los Angeles—Concrete paving, etc., Benton Way between Effie St. and Scott Ave., to H. A. McCray, Subway Terminal Bldg., $27,930.

Calif., Los Angeles—Grading, curbing, guttering, sidewalks, and disintegrated paving, etc., Sproul Ave., etc. (in Norwalk Co.), Impvt. 581, to J. M. Shull, 1260 Locust St., Riverside, approximately $122,150. Noted Sept. 2.

Calif., Los Angeles—Curbing, sidewalks and asphaltic concrete paving Wilshire Blvd. between Park View St. and Fairfax Ave., to North Pacific Constr. Co., Detwiler Bldg., $670,387.

Calif., Long Beach—Guttering, curbing and asphaltic concrete on 6 in. concrete paving State St. between Temple St. and Cherry Ave., etc., to Griffith Co., Railway Bldg., Los Angeles.

Calif., Oakland—Grading and 2 in. Warrenite bitulithic on 6 in. concrete paving 71,300 sq.ft. West St., etc., to Oakland Paving Co., 5000 Bway. Noted Aug. 5.

Calif., San Francisco — Curbing, sidewalks, guttering, and asphaltic concrete paving, 49,374 sq.ft. 21st Ave. and Wawona St., to Pacific States Constr. Co., Call Bldg., $22,948; also 43,263 sq.ft. Rivera and Santiago Sts., to E. J. Cohn, 3 De Haro St., $29,892.

Buildings—Commercial

Proposed Work

Me., Bangor — SOCIETY — Y. M. C. A., P. S. Ordway, chn. building com., plan society building. $150,000 or more. Engineer and architect not selected.

N. H., Rochester — STORE, OFFICE, APARTMENT and POWER HOUSE — Rochester Realty Co., c/o Dow, Harlow & Kimball, archts., 184 Boylston St., Boston, having plans prepared (2nd unit) 3 and 1 story, brick, here. $150,000 or more.

Mass., Boston—HOTEL—Adams House Hotel, F. G. Hall, mgr., having preliminary sketches made by A. H. Bowditch, 44 Bromfield St., new hotel or reconstructing old one, Washington St. $1,500,000.

Mass., Cambridge (Boston P. O.) — STORE and OFFICE—E. N. Wyner, 18 Tremont St., Boston, plans 2 story and basement, brick, Church and Brattle Sts. $150,000 or more. Engineer and architect not selected.

Mass., Charlestown (sta. Boston)—THEATRE and STORE—P. Margaret, c/o B. C. Gallo & Co., archts., 42 Maverick Sq., East Boston, having plans prepared 3 story and basement, 60 x 100 ft., brick and steel, plain foundation, Main St., here. $175,000.

Mass., Fitchburg—HOSPITAL—Burbank Hospital soon lets contract 2 story and basement, 37 x 183 ft. brick, steel and tile ward building and power house. $225,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, engrs. Haynes & Mason, 280 Main St., archts. Noted Aug. 26.

Mass., Lexington — MEMORIAL—Town, c/o R. C. Clapp, 50 State St., Boston, having sketches made by Kilham, Hopkins & Greeley, 9 Park St., Boston, Cary Memorial Building, 2 or more story and basement, brick and granite, here. $150,000 or more.

Mass., Springfield — HOTEL — Acorn Realty Co., c/o K. H. Murchison, engr. and archt., 101 Park Ave., New York City, having sketches made hotel, Chestnut and Edward Sts., here.

Mass., Worcester — THEATRE — Two Hundred and Sixty-one Main St., Corp., (subsidiary of A. S. Friend Co. and Marcus Loew Co.) plans theatre, Main and Central Sts. $2,000,000. Engineer and architect not selected.

R. I., Providence—BANK—Morris Plan Co., 10 Market St., having plans prepared by Jackson, Robertson & Adams, 10 Market St., 1 and 2 story and basement, brick, stone and steel, Canal St. $150,000.

Buildings—Commercial (Continued)

R. I., South Kingston (mail Kingston)—BANK and OFFICE—B. F. Robinson, c/o Wakefield Trust Co., having preliminary plans prepared by Hutchins & French, 11 Beacon St., Boston, 2 story and basement, rein.-con. brick and steel, bank and office building. $150,000.

Conn., New Haven — APARTMENT — Lebedeker & Drutman, 29 Truman St., having plans prepared 4 story, brick, steel and artificial stone, Livingstone St. $150,000. Private plans.

N. Y., Cortland — THEATRE — Schine Chain Theatres, Inc., Gloversville, having plans prepared by D. Hall, 405 Lexington Ave., New York City, brick, steel and stone, plain foundation, North Main St., here. $350,000.

N. Y., New York—APARTMENT—Soljay Building Corp., c/o C. Kreymborg & Sons, archts. and engrs., 2534 Marion Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, Macombs Rd. $200,000.

N. Y., New York—APARTMENT—Einhorn Singer Development Corp., 393 East 169th St., having plans prepared by Glick & Duma, engrs. and archts., 400 East Fordham Rd., 6 story, 90 x 100 ft., brick, steel and stone, plain foundation, Heath Ave.

N. Y., New York — HOTEL — Henlee Realty Corp., c/o E. Roth, archt., 119 West 40th St., having plans prepared 15 story, brick, steel and stone, plain foundation, 70th St. and Madison Ave. $600,000.

N. C., Sedgefield—HOTEL—Sedgefield, Inc., A. W. McAllister, pres., Irving Park, Greensboro, takes bids about Sept. 15, brick and steel hotel. $400,000. N. Harris, 790 Broad St., Newark, N. J., archt.

N. C., Winston-Salem—Y. M. C. A., and Bureau Intl. Comn. soon lets contract Y.M.C.A., incl. swimming pool. $450,000. Macklin & Raught, Winston-Salem, archts. Bids desired

S. C., Orangeburg—MUNICIPAL—Plans new municipal building incl. auditorium. $175,000. Noted Aug. 5.

La., Lake Charles — OFFICE — W. P. Weber, Lake Charles and H. T. McLean, Beaumont, Tex., having plans prepared by Livesay & Wiedemann, 607 San Jacinto Life Bldg., Beaumont, Tex., 6 story and basement, rein.-con., brick and stone, plain foundation, incl. 2 elevators, Ryan St. near Pujo St. $400,000.

O., Akron—STORE—Graham, Anderson, Probst & White, archts., 78 East Jackson Blvd., Chicago, Ill., soon takes bids 6 story and basement, 200 x 500 ft., brick, steel and concrete, incl. 12 elevators, steam heating, etc., here, for M. O'Neil Co. $2,000,000.

O., Cleveland — HOSPITAL — Election Nov. 2, $2,000,000 bonds hospital addition for psychopathic patients and contagious disease building, nurses home, service building and dormitory. D. S. Blossom, dir. Pub. Welfare. Engineer and architect not selected.

O., Cleveland—HOSPITAL—Mercy Hospital Assn., A. H. Martin, pres., Erie Bldg., plans 3 story and basement, brick, steel and concrete hospital. $250,000. Engineer and architect not selected.

O., Orient—HOSPITAL and COTTAGES—Dept. Welfare, J. E. Harker, dir., Oak and North Sts., Columbus, having plans prepared by H. B. Briggs, Ohio Hartmann Bldg., Columbus, 1 and 2 story, 60 x 400 ft., hospital, $175,000, also two 2 story and basement, 75 x 125 ft., brick and concrete cottages, Orient Farm, $250,000, here.

O., Portsmouth — MUNICIPAL — Plans election $400,000 bonds, municipal building.

Ind., Indianapolis—APARTMENT—Shelton Realty Co., 4422 Central Ave., had plans prepared by Foster Eng. Co., Indiana Pythian Bldg., 5 story and basement, rein.-con. and brick, 823-29 North Delaware St. $200,000.

Ind., Richmond—HOTEL—J. M. Mills having preliminary plans prepared 7 story and basement, 200 room, rein.-con., brick and steel hotel. $1,000,000.

Ill., Chicago — APARTMENT — Rebori, Wentworth, Dewey & McCormick, archts., 332 South Michigan Ave., take bids about Sept. 15, 19 story and basement, 82 x 98 ft. rein.-con., tile and stone, incl. 3 elevators, etc., 2430 Lake View Ave., for Syndicate, c/o architect. $1,000,000.

Ill., Chicago—SANITARIUM—City, c/o J. J. Collins, pres. bd., 952 North Michigan Ave., having plans prepared by Otis & Fuller, 6 North Michigan Ave., and takes bids in November or December, 4 story, 50 x 300 ft. addition, Bryn Mawr and Crawford Aves. $600,000.

Ia., Cedar Rapids—SHRINE TEMPLE—R. F. Moore, archt., 401 Granby Bldg., rejected bids Aug. 20, 4 story and basement, 160 x 200 ft., rein.-con. and stone, A Ave. and North 6th St., for El Kahir Temple of Mystic Shrine. $450,000. Will re-advertise. Noted July 29.

Ia., Sioux City—THEATRE, STORE and OFFICE — Francis Building Co., 5th and Pierce Sts., A. Sanford, pres., had plans prepared by C. W. and G. L. Rapp, State Lake Bldg., Chicago, Ill. and takes bids about Nov. 1, Orpheum Theatre, 11 story (ultimately 15 story) 150 x 200 ft., concrete, steel and terra cotta, 6th and Pierce Sts. $1,200,000. Lieberman & Hein, 190 North State St., Chicago, Ill., engrs. Noted Aug. 12.

Mo., Nevada—HOSPITAL—Vernon Co., J. O. Edmiston, clk., will not vote $185,000 bonds in November, for hospital. This corrects report in Sept. 2 issue.

Tex., Pampa—HOTEL—Schneider Hotel Co., c/o A. Schneider, Jr., having tentative plans prepared by M. C. Parker & Co., Ray Bynum Bldg., Amarillo, 6 story, stone, brick and rein.-con., incl. elevator, heating, plumbing, etc. $150,000.

Tex., San Antonio — HOTEL — G. E. Gwinn, c/o Central Trust Co., Bldg., purchased site and having tentative plans prepared 8-10 story and basement, rein.-con., brick and stone, plain foundation, Martin and Navarro Sts. $650,000. Private plans.

Tex., San Antonio — OFFICE — J. B. Herff & C. H. Timmins, c/o Medical Arts Bldg., purchased site and had plans prepared 15 story and basement, rein.-con., brick and stone, plain foundation, Ave. E. and 4th St. $1,000,000. Private plans.

Calif., Los Angeles — APARTMENT — L. M. Kriewitz, Van Nuys Bldg., had plans prepared by E. B. Rust, Black Bldg., 4 story and basement, 65 x 150 ft., brick, Green St. $150,000.

Calif., Los Angeles—APARTMENT—L. A. Bryant, archt., 700 South LaBrea Ave., preparing plans 6 story and basement, brick and concrete, Hollywood Blvd. $350,000 or more. Owner's name withheld.

Calif., Los Angeles—APARTMENT—F. G. McDermand, c/o J. R. Schenk, designer, 1968 Brooklyn Ave., had plans prepared 4 story and basement, 60 x 125 ft., brick, Loma Dr. $150,000.

Calif., Los Angeles — HOTEL — W. A. Brown, c/o A. R. Sedgley, archt., Kerckhoff Bldg., had plans prepared 6 story and basement, 85 x 150 ft., rein.-con., South Bonnie Brae St. $300,000.

Calif., Los Angeles—MOTION PICTURE STUDIO — Donald Parker Productions, Hollywood, had preliminary plans prepared by L. A. Bryant, 700 South La Brea Ave., 1 story, 30 x 650 ft. administration building, eight 100 x 200 ft. and 100 x 200 ft. stages, also six 30 x 75 ft. smaller buildings near Hollywood Country Club, here. $150,000.

Calif., San Francisco—APARTMENT and STORE—California Real Estate & Finance Corp., DeYoung Bldg., had plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, 112 room, rein.-con., Geary and 11th Aves. $150,000.

Calif., San Francisco—APARTMENT—California Real Estate & Finance Corp., DeYoung Bldg., had plans prepared by J. C. Hladik, Monadnock Bldg., two 6 story and basement, rein.-con., Bway. near Octavia St. $150,000 each.

Bids Desired

Mass., Arlington — POLICE HEADQUARTERS—Town, D. M. Hooley, ch. police, taking bids 2 story and basement, brick and stone, plain foundation, Central St. $150,000. C. C. Loring, 7 Water St., Boston, archt. Noted May 6.

Mass., Boston—STORE and OFFICE—Singer Sewing Machine Co., c/o Little & Russell, archts., 20 Newbury St., taking bids, 6 story and basement, brick and stone, plain foundation, 53-55 Temple Pl. $150,000. Noted Sept. 2.

Mass., South Lawrence (mail Lawrence)—THEATRE—J. A. Tuck, archt., Park Sq. Bldg., Boston, taking bids 1 and 2 story and basement, brick, stone, and steel, plain foundation, South Bway. $150,000.

Mass., Springfield — APARTMENT — T. W. McCarthy, 26 Sachem St., Chicopee, taking bids 4 story and basement, brick and stone, 25-29 High St. $150,000. H. J. Tessier, 534 Main St., archt.

N. Y., West New Brighton (Sta. Staten Island)—ARMORY—Sept. 16, by Armory Bd., City Hall, New York City, armory for headquarters Troop 51st Cavalry Brigade (Troop F, 1st Cavalry) at Manor and Martling Sts., here.

N. J., Atlantic City—HOTEL—Sept. 15, by W. M. Macy, archt., Land Title Bldg., Phila., Pa., James Madison Hotel, 15 story and basement, 150 x 160 ft. rein.-con., brick and steel, wood pile foundation, Virginia Ave. and Broadwalk, here, for Virginia Hotel Corp.

Pa., Greensberg—HOSPITAL—Sept. 13 (extended date), by Westmoreland Hospital Assn., 5 story and basement, 38 x 116 ft., brick, steel and concrete addition. $150,000. E. L. Tilton and E. P. Mellon, 141 East 45th St., New York City, archts. Noted Sept. 2.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Swarthmore—STORE and APARTMENT—See "Contracts Awarded."

D. C., Wash.—JAIL—Sept. 17, by Dist. Comrs., District Bldg., addition and reconstructing east wing, jail building; adv. E.N.-R. Sept. 9. Noted Aug. 26.

D. C., Wash.—MEDICAL—Sept. 21, by Chief Clerk Dept. Interior, brick medical building, at Howard University. Noted Oct. 29.

Mich., Detroit—FIRE STATION—Sept. 13, by H. Brabyb, secy. Bd. Fire Comrs., Wayne and Larned Sts., 2 story and part basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, Ryan Rd. $150,000. C. Kotting, 2306 Dime Bank Bldg., archt.

Ill., Chicago—APARTMENT—C. J. and R. H. Johnson, archts., 5153 North Clark St., taking bids 9 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, incl. 2 elevators, 5734-38 Winthrop Ave., for Winthrop Terrace Building Corp., c/o architects. $475,000.

Ill., Chicago—APARTMENT HOTEL—E. J. Meles, archt., 105 West Monroe St., taking bids 3 story and basement, apartment hotel, 1232 North La Salle St., for Syndicate, c/o architect.

Minn., Minneapolis — HOSPITAL—Sept. 13, by St. Andrews Hospital Assn., 712 5th St. S. E., 4 story and basement, 40 x 125 ft., rein.-con., brick and stone addition, incl. steam heating system, 5th St. and 7th Ave. S. E. $175,000. Sund & Dunham, 512 Essex Bldg., archts.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Bids Received

N. Y., New York—ADMINISTRATION—New York Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., Aug. 31, 4 story and basement, concrete and limestone administration building, known at Contr. 17 of Holland Tunnel, from Carleton Co., Inc., 151 West 42nd St., $285,230. Noted Aug. 26.

N. Y., New York — ARMORY — Armory Bd., Municipal Bldg., additional story on administration building with (a) stone or (b) copper coping, Franklin Ave. and 165th St., from Eastern Constr. Co., 11 West 40th St., (a) $139,900 (b) $137,990. Noted Aug. 12.

N. Y., New York — SERVICE — L. I. Harris, pres. Bd. Health, 505 Pearl St., service building on grounds Riverside Hospital, North Brother Island, Bronx Boro., from M. F. Kelly Building Corp., Grand Central Terminal, $162,000. Noted Aug. 19.

Mo., St. Louis—CIVIL COURTS—Bd. Pub. Serv., 208 City Hall, erecting 5,500 tons steel for civil courts building, from St. Louis Steel Erection Co., Syndicate Trust Bldg., $89,100; for furnishing and fabricating same, from Mississippi Valley Structural Steel Co., 3117 Big Bend Rd., St. Louis County, $467,280. Noted Aug. 12.

Calif., Los Angeles — HOSPITAL — Los Angeles Co., remodeling 3 story and constructing 2 story, 59 x 160 ft., rein.-con., stone, and terra cotta addition, 1100 Mission Rd., from I. Carroll, 506 Marengo St., Pasadena, $235,000.

Contracts Awarded

Mass., Quincy (Ind. br. Boston)—HOME—City, Pub. Wks. Dept., 2 story and basement, 50 x 145 ft., brick, steel and granite, Whitewell St., to Frankini Bros. Co., 30 Mystic Ave., Medford, $103,524.

Mass., Revere—APARTMENT—M. Nigro, 280 B'way., 2 and 3 story and basement, brick and stone, B'way., Reservoir Ave. and Yeoman Sts., to Frankini Bros., 32 Mystic Ave., Medford. Archts. est. $150,000. Noted Aug. 26.

Conn., Hartford — BUSINESS — D. Fazzano, 1100 Main St., 4 story, brick, steel and limestone, Chapel and Trumbull Sts., to G. Cudemo & S. N. England Constr. Co., 68 Temple St. Archts. est. $150,000. Noted Aug. 5.

N. Y., Brooklyn—Y. W. C. A., 40 Remsen St., 11 story, brick, steel and stone, plain foundation, State St., to Edward Corning

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Buildings—Commercial (Continued)

Co., 145 East 45th St., New York City, Noted Aug. 5.

N. Y., New York — HOSPITAL — Bd. Health, L. I. Harris, pres., 505 Pearl St., 5 story, brick, steel and stone, plain foundation, East 16th St., to Eastern Constr. Co., 110 West 40th St. Archts. ets. $250,000.

Pa., Phila. — APARTMENT — Reardon Bros., Inc., 4344 Frankford Ave., will build 3 story and basement, 89 x 141 ft., rein.-con., brick and steel, plain foundation, 4340 Frankford St. $200,000. Work will be done by separate contracts, under supervision J. H. Rackie, archt., 4341 Frankford Ave.

Pa., Phila.—RECREATION—Estate of Richard Smith, 90 Fidelity Trust Co., 325 Chestnut St., 3 story and basement, 53 x 107 ft., rein.-con., brick and steel, plain foundation, Ferry Road Playground, 2505 Christian St., to E. H. Keefer & Son, 1321 Redman St.

Pa., Pottsville — HOTEL — Pottsville Community Hotel, Inc., rein.-con., brick and steel, plain foundation, to Day & Zimmerman, 1600 Walnut St., Phila. Archts. est. $600,000.

Pa., Swarthmore—STORE and APARTMENT—W. Clark & Co., Packard Bldg., Phila., will build 3 story and basement, 47 x 137 x 204 ft., brick and steel, plain foundation, here. $200,000. Work will be done by separate contracts.

N. C., Asheville—ADMINISTRATION—Comrs. Buncombe Co., 2 buildings connected with arch, to Miller Eng. Corp., Asheville and foot of Madison St., Norfolk, Va., $606,000. Noted July 29.

Miss., Tupelo—HOTEL—Florida Hotel Co., c/o T. P. Florida, Gilmer Hotel, 5 story and basement, concrete, brick and terra cotta, to Hanson Warden Constr. Co., Dermon Bldg., Memphis, Tenn. Archts. est. $200,000. Noted July 29.

Tenn., Memphis — OFFICE — Standard Oil Co., C. L. Willis, local mgr., 2 story, 100 x 150 ft., fireproof, Union Ave. and South Bellevue St., to W. W. Wessell Constr. Co., Memphis. Archts. est. $250,000. Noted Aug. 6.

Tenn., Memphis—STORE—S. H. Kress & Co., 82-84 South Main St. and 114 5th Ave., New York City, 4 story, concrete, brick and tile incl. 2 elevators, etc., North Main St., to Hanson & Worden, Memphis. Archts. est. $200,000. Noted Aug. 19.

Ind., Lafayette — LODGE — Knights of Pythias, 900 Pythian Bldg., Indianapolis, general contract "Knights of Pythias Home," rein.-con., brick and steel, to A. E. Kemmer, Lafayette. Archts. est. $200,000. Noted Aug. 26.

Mich., Northville—HOUSE OF CORRECTION—A. Kahn, archt., 1000 Marquette Bldg., Detroit, 4 prison cottages, administration building, hospital, and factory, rein.-con., brick and steel, plain foundations, incl. steam heating systems, to W. E. Wood Co., 1805 Ford Bldg., Detroit, $519,750. Noted June 24.

Ill., Chicago—APARTMENT—A. Story (representing owner), 1533 Glenlake Ave., masonry contract (first units), Webster Memorial Buildings, each 3 story and basement, 144 x 375 ft., rein.-con., brick, slate and tile, North Clark St., between Thorne and Granville Aves., to E. Edlund, 1833 Greenleaf Ave., for Webster Memorial Building Corp., B. F. Webster, 160 North La Salle St. Archts. est. $335,000. Noted Aug. 5.

Ill., Chicago — HOTEL — APARTMENT HOTEL—Koenigsberg & Weisfeld, archts., 155 North Clark St., masonry and carpentry contract 8 story and basement, 62 x 150 ft., rein.-con., brick and terra cotta, 5451 Kenmore Ave., to C. Erickson, 5924 Addison St., for S. Brin, 5053 Kenmore Ave. Archts. est. $400,000. Noted July 15.

Ill., Chicago—WAREHOUSE—S. S. Joy, archt., 2001 West Pershing Rd., general contract 1 story, 175 x 330 ft., brick and steel, Kedzie Ave. and West 51st St., to G. A. Arquette & Co., 160 North La Salle St., for International Steel & Iron Co., 3936 South Lincoln St. Archts. est. $200,000. Noted June 10.

Ill., Chicago — WAREHOUSE — S. Joy, archt., 2001 West Pershing Rd., general contract 6 story and basement, 240 x 280 ft., rein.-con., brick and terra cotta, South Robey St. and West Pershing Rd., to G. A. Arquette & Co., 160 North La Salle St., for Central Mfg. Dist., 38 South Dearborn St., Archts. est $1,500,000.

Ill., Glencoe — AUDITORIUM — J. A. Armstrong, associated archt., 127 North Dearborn St., Chicago, 2 story, 75 x 137 ft., concrete, brick, tile and stone here, to E. L. Archibald, 111 West Washington St., Chicago, for Bd. Educ. Archts. est. $200,000. Noted July 8.

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Ill., Rockford—THEATRE, STORE and APARTMENT — Orpheum Theatre Corp., c/o W. Van Matee, Jr., Schumann Piano Co., 3 story, 147½ x 156 ft., concrete, brick, stone and terra cotta, North Main St., to Holm Page Co., Kishwaukee St. Archts. est. $850,000. Noted July 22.

Wis., Milwaukee — OFFICE — Randco Corp., 466 Oakland Ave., 7 story and basement, 120 x 120 ft., brick and concrete, plain foundation, Van Buren St., to Reisinger & Co., 466 Oakland Ave., Archts. est. $260,000.

Wis., Milwaukee—THEATRE and BUSINESS—Bay View Realty Co., 174 2nd St., superstructure 2 story and basement, 162 x 180 ft., brick, concrete and terra cotta, Kinnickinnic Ave., to Immel Constr. Co., Dana Bldg., Fond du Lac, Wis. Archts. est. $250,000. Noted May 13.

Ia., Waterloo — THEATRE — Badger Building Serv. Co., 445 Milwaukee Ave., Milwaukee, Wis., 4 story and basement, 90 x 200 ft., rein.-con., brick, steel and stone, Blackhawk Court and 4th St., here, to T. Stark & Co., 130 Muskogee St., Milwaukee, Wis. Archts. est. $500,000. Noted Aug.

Neb., Omaha—THEATRE—Orpheum Circuit, c/o M. Singer, genl. mgr., 190 North State St., Chicago, Ill., general contract 6 story and basement, 132 x 165 ft., concrete, brick and steel, 15th and Harney Sts., here, to Pryale Constr. Co., Pontiac, Mich. Archts. est. $1,000,000. Noted Aug. 12.

Mo., Joplin—THEATRE and APARTMENT—J. W. Freeman, 1402 Joplin St., 3 story and basement, 106 x 194 ft., brick and concrete, 20th and Main Sts., to United Studios, Inc., 30 West Lake St., Chicago, Ill. Archts. est. $200,000.

Tex., Amarillo—OFFICE and GARAGE—W. S. Rule, 8 story, 50 x 140 ft. office and 3 story, 70 x 140 ft. garage, brick, stone, rein.-con., incl. heating, plumbing and elevators, etc., 3rd and Polk Sts., to Manhattan Constr. Co., Muskogee, Okla., $750,000 cost plus percentage basis. Noted Sept. 2.

Calif., Los Angeles—APARTMENT—W. Stacko, 1031 Hill Dr., Eagle Rock, will build 5 story and basement, brick, Hobart and Harvard Blvds., by day labor and sub-

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., (lowest four and highest) for subway along and under Greenwich St. and 8th Ave. from Bank to West 17th Sts., Route No. 102, Sect. No. 1, (A) Moranti & Raymond, Inc., 42 Broadway, (awarded contract); (B) Corson Construction Corp., 1440 Broadway; (C) D. C. Serber, Inc., 2621 Grand Central Terminal; (D) Atwell, Gustin, Morris, Inc., 137th St. & St. Nicholas Ave.; (E) P. McGovern, Inc., 50 East 42nd St. The unit bids are as follows:

	A	B	C	D	E
†125,000 cu.yd. earth excavation above el. 100, disposed as selected by contractor	$10.20	$11.85	$13.00	$12.00	$14.00
*125,000 cu.yd. (*b*) earth excavation above el. 100, disposed from Gansevoort, pier N	10.20	11.85	12.00	12.00	14.00
†62,000 cu.yd. earth excavation below el. 100, disposed as selected by contractor	10.20	11.85	13.00	15.00	14.00
*62,000 cu.yd. (*b*) earth excavation below el. 100, disposed from Gansevoort, pier N	10.20	11.85	12.00	18.00	14.00
†1,300 cu.yd. earth excavation, off line, disposed as selected by contractor	10.20	11.85	13.00	12.00	14.00
*1,300 cu.yd. (*b*) earth excavation, off line, disposed from Gansevoort, pier N	10.20	11.85	12.00	12.00	14.00
†15,300 cu.yd. (*a*) rock excavation disposed of as selected by contractor	14.05	11.85	13.00	18.00	14.00
*15,300 cu.yd. (*b*) rock excavation disposed from Gansevoort, pier N	14.05	11.85	12.00	18.00	14.00
24,000 cu.yd. concrete masonry	21.00	22.00	22.00	23.00	27.00
150,000 sq.ft. rubbing concrete to smooth surface	10	10	10	10	10
4,850 cu.yd. protective concrete	21.00	22.00	22.00	23.00	27.00
170 cu.yd. rubble stone masonry	15.00	10.00	11.00	16.00	14.00
20 cu.yd. dry rubble masonry	15.00	10.00	6.00	14.00	14.00
100 cu.yd. brick masonry	40.00	30.00	45.00	40.00	50.00
20 sq.yd. vitrified brick lining for sewers	55.00	10.00	35.00	6.00	7.00
25 cu.yd. hollow tile masonry	50.00	30.00	35.00	40.00	50.00
20 bbl. grout of Portland cement	4.00	5.00	5.00	6.00	8.00
130 sq.yd. plastering on hollow tile at duct. M.H.	2.00	2.00	1.80	3.50	2.00
10 cu.yd. broken stone or gravel	5.00	5.00	6.00	6.00	6.00
24,000 sq.yd. waterproofing—1 ply	1.30	1.00	90	1.25	1.25
15,000 sq.yd. waterproofing—3 ply	3.00	2.50	2.90	2.50	3.00
100 sq.yd. waterproofing—4 ply	4.00	3.50	3.85	4.00	4.00
700 sq.yd. waterproofing—5 ply	5.00	4.00	4.55	5.00	5.00
1,200 sq.yd. waterproofing—6 ply	6.00	5.00	5.30	6.00	6.00
100 sq.yd. waterproofing—dry	1.00	1.00	60	1.00	1.00
750 cu.yd. waterproofing—one layer brick in mastic	45.00	50.00	45.00	50.00	70.00
2000 cu.yd. waterproofing, two layer brick in mastic	40.00	50.00	40.00	50.00	70.00
1000 lin.ft. 3 in. cast iron pipe and fittings	1.25	1.00	1.25	1.50	1.25
600 lin.ft. 4 in. cast iron pipe and fittings	2.00	1.50	1.50	2.00	1.50
600 lin.ft. 6 in. cast iron pipe and fittings	3.00	2.25	2.10	2.50	2.50
800 lin.ft. 8 in. cast iron pipe and fittings	4.00	2.75	3.00	4.00	3.00
800 lin.ft. 3 in. standard galvanized steel pipe	1.25	1.00	95	1.50	1.25
250 lin.ft. 4 in. standard galvanized steel pipe	1.50	1.50	1.30	2.00	1.50
50 lin.ft. 8 in. standard galvanized steel pipe	4.00	2.75	2.50	4.00	4.00
50 lin.ft. 10 in. standard galvanized steel pipe	5.00	3.50	3.00	6.00	6.00
108,000 duct.ft. tunnel ducts	30	30	25	30	30
360 cond. ft. 3 in. fibre conduits	30	40	60	30	30
4,540 ton riveted and rolled steel	125.00	120.00	114.00	120.00	150.00
4,260 ton Bethlehem and riveted and rolled steel	135.00	128.00	120.00	130.00	162.00
3 ton architectural steel and iron	300.00	300.00	525.00	400.00	400.00
450 sq.ft. steel sliding doors	6.00	6.00	4.50	5.00	6.00
2 counter balanced emergency exit covers	500.00	750.00	350.00	500.00	600.00
260 ton steel rods and bars	85.00	110.00	110.00	120.00	100.00
24 ton miscellaneous iron castings	200.00	250.00	220.00	300.00	200.00
6700 lb. special wire forms	20	30	18	30	25
2300 lin.ft. 1½ in. oak or ash handrail	50	1.00	45	60	60
4360 sq.ft. steel gratings for ventilation	4.00	3.00	3.00	4.00	4.00
4800 sq.yd. sidewalk restoration	4.00	3.00	2.50	3.00	2.00
1,160 sq.yd. roadway repaved—asphalt	3.00	5.00	5.50	6.00	4.00
360 sq.yd. roadway repaved—granite blocks	4.00	6.00	4.00	6.00	8.00
970 sq.yd. roadway repaved—belgian blocks	4.00	6.00	4.00	4.00	6.00
300 lin.ft. 6 in. blue stone curb	2.00	2.00	3.00	4.00	2.00
9,000 sq.yd. roadway repaired—wood block	2.50	3.00	5.00	6.00	6.00
300 lin.ft. 8 in. granite curb	4.00	4.00	4.00	6.00	4.50
300 sq.yd. upper 3 in. concrete walls	3.00	3.00	2.00	3.00	3.00
11,490 sq.yd. temporary pavements	2.50	3.00	2.50	3.50	3.00
14,500 lin.ft. 1¼ in. steel electric conduits	40	30	31	60	40
50 lin.ft. 1½ in. steel electric conduits	80	80	72	80	80
150 lin.ft. 2 in. steel electric conduits	1.00	1.00	86	1.00	1.00
7,200 lin.ft. 1 in. steel electric conduits	1.00	40	40	70	60
75 lin.ft. 3½ in. steel electric conduits	1.50	2.00	2.00	3.00	2.50
10 lin.ft. 2½ in. steel electric conduit	1.50	1.50	1.00	2.00	1.50
1,100 4 in. x 4 in. x 3 in. cast iron outlet boxes	2.50	2.50	1.80	2.50	2.50
10 6 in. x 6 in. x 4 in. cast iron pull boxes	5.00	5.00	5.00	7.00	6.00
16 in. x 12 in. x 3 in. cast iron telephone boxes	5.00	10.00	10.00	20.00	10.00
35 lin.ft. 6 in. cast iron pipe and fittings	3.00	2.00	1.80	5.00	3.00
90 lin.ft. 3 in. cast iron pipe and fittings	1.50	1.50	1.20	3.00	1.50
25 lin.ft. 4 in. cast iron pipe and fittings	2.00	1.75	1.40	4.00	2.50

	A	B	C	D	E
300 lin.ft. 8 in. cast iron pipe and fittings	$4.00	$3.00	$2.50	$6.00	$3.50
450 lin.ft. 12 in. vitrified pipe sewers	5.00	5.00	3.00	6.00	12.00
1,500 lin.ft. 15 in. vitrified pipe sewers	6.00	7.00	6.00	7.00	15.00
100 lin.ft. 18 in. vitrified pipe sewers	7.00	12.00	7.20	8.00	17.00
150 lin.ft. 24 in. vitrified pipe sewers	10.00	20.00	10.00	10.00	20.00
1 ton cast iron sewer pipe—straight	100.00	130.00	100.00	150.00	160.00
1 ton cast iron sewer pipe—special	200.00	230.00	200.00	300.00	275.00
550 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. flat top reinforced concrete sewer	15.00	25.00	18.00	20.00	20.00
450 lin.ft. 4 ft. 0 in. x 2 ft. 6 in. flat top reinforced concrete sewer	15.00	28.00	20.00	22.00	23.00
150 lin.ft. 3 ft. 6 in. x 3 ft. 2 in. flat top reinforced concrete sewer	15.00	28.00	20.00	25.00	22.00
200 lin.ft. 5 ft. 6 in. x 4 ft. 10 in. flat top reinforced concrete sewer	15.00	35.00	35.00	40.00	35.00
2,300 lin.ft. electric underground trolley	20.00	12.00	10.00	20.00	10.00
150 lin.ft. 6 in. water pipe	2.00	2.00	1.50	2.00	2.00
100 lin.ft. 10 in. water pipe	3.00	4.00	2.40	3.00	2.50
900 lin.ft. 12 in. water pipe	4.00	6.00	2.50	4.00	3.00
35 service connections for water pipes	30.00	100.00	50.00	50.00	50.00
100 lin.ft. 4 in. cast iron gas pipe	2.00	2.00	1.00	1.00	2.00
200 lin.ft. 6 in. cast iron gas pipe	3.00	2.50	1.80	1.50	2.50
100 lin.ft. 8 in. cast iron gas pipe	3.00	3.00	2.10	2.00	3.00
100 lin.ft. 10 in. cast iron gas pipe	3.00	4.00	4.60	2.50	3.50
100 lin.ft. 12 in. cast iron gas pipe	4.00	5.00	4.60	3.00	4.00
200 lin.ft. 16 in. cast iron gas pipe	4.00	8.00	4.80	3.50	4.50
750 lin.ft. 6 in. steel by-passing pipe	6.00	2.00	7.00	8.00	5.00
850 lin.ft. 8 in. steel by-passing pipe	8.00	10.00	25.00	12.00	6.00
100 lin.ft. 10 in. steel by-passing pipe	10.00	15.00	25.00	16.00	8.00
1,600 lin.ft. 12 in. steel by-passing pipe	12.00	15.00	30.00	22.00	10.00
160 lin.ft. 16 in. steel by-passing pipe	16.00	20.00	35.00	24.00	11.00
225 lin.ft. 20 in. steel by-passing pipe	20.00	30.00	35.00	26.00	12.00
2,100 lin.ft. 24 in. steel by-passing pipe	25.00	35.00	40.00	30.00	15.00
50 lin.ft. 4 in. steel by-passing pipe	3.00	2.00	6.00	6.00	4.00
50 lin.ft. 26 in. steel by-passing pipe	25.00	50.00	40.00	32.00	16.00
50 lin.ft. 28 in. steel by-passing pipe	30.00	50.00	75.00	35.00	18.00
200 lin.ft. 26 in. steel by-passing pipe	25.00	50.00	20.00	32.00	20.00
250 lin.ft. 28 in. steel by-passing pipe	30.00	50.00	20.00	35.00	22.00
150 lin.ft. trestle support for by-passing pipe	15.00	10.00	15.00	20.00	10.00
275 lin.ft. cable support for by-passing pipe	20.00	10.00	30.00	20.00	10.00
35 service connections for gas pipe	30.00	50.00	100.00	50.00	60.00
15 ton new cast iron hub and spigot pipe—straight	100.00	110.00	100.00	100.00	120.00
10 ton new cast iron hub and spigot pipe—special	200.00	220.00	200.00	200.00	220.00
150 lin.ft. 8 in. high pressure H.P. fire-water pipe	10.00	8.00	4.50	6.00	4.00
400 lin.ft. 12 in. high pressure fire-water pipe	11.00	10.00	6.50	12.00	6.00
150 lin.ft. 16 in. high pressure fire-water pipe	15.00	14.00	10.00	15.00	8.00
15 ton new cast iron spigot pipe, H.P. fire, straight	100.00	140.00	120.00	150.00	150.00
10 ton new cast iron spigot pipe, fire, special	200.00	240.00	250.00	300.00	250.00
10 ton new steel water pipe, straight	100.00	140.00	100.00	250.00	300.00
10 ton new steel water pipe, special	200.00	240.00	170.00	400.00	450.00
45,000 duct.ft. vitrified clay electr. ducts and conduits	40	40	25	40	40
4,500 lin.ft. 3 in. steel pipe electr. ducts and conduits	80	2.00	60	60	60
100 lin.ft. 3½ in. steel pipe electr. ducts and conduits	80	2.50	70	1.00	70
35 service connections for electric ducts	100.00	75.00	50.00	100.00	100.00
100 lin.ft. 3 in. fibre electric ducts and conduits	60	80	50	40	40
100 lin.ft. 3½ in. fibre electric ducts and conduits	60	1.00	60	60	40
1 service box on relocated duct line	2.00	500.00	200.00	50.00	200.00
Taking down and removing building	645.95	220.00	270.00	200.00	100.00
Material of buildings removed	1.00	50.00	1.00	1.00	5.00
Total for disposal from Gansevoort Pier N, excluding items † and 19*b*	$4,160,323	$4,388,640	$4,505,134	$5,143,367	$5,488,850
Total for disposal from Gansevoort pier N, excluding items † and 19*a*	4,167,923	4,389,120	4,498,774	5,152,367	5,497,970
Total for disposal place selected by contractor excluding items * and 19*b*	4,160,323	4,388,640	4,708,734	4,957,367	5,488,850
Total for disposal place selected by contractor, excluding items * and 19*a*	4,167,923	4,389,120	4,702,374	4,966,367	5,497,970

Cost of underpinning buildings included in totals but not in units.

Buildings—Commercial (Continued)

contract through A. R. Sidgley, archt., Kerckhoff Bldg. $200,000 or more.

Calif., Los Angeles — HOTEL — S. W. Silverberg, brick, Albany St., to Gauger Constr. Co., Delta Bldg., approximately $185,000.

Calif., Los Angeles — THEATRE — A. Ramish, 100 x 145 ft., rein.-con., stone, and terra cotta, South Central Ave., to J. H. Woodworth & Son, 200 East Colorado St., Pasadena, $157,550.

Ont., Toronto — LOFT — Fashion Cloak Co., Ltd., 93 Spadina Ave., general contract 8 story and basement, rein.-con. and brick, plain foundation, incl. elevators and steam heating systems, Spadina Ave. and Camden St., to J. V. Gray Constr. Co., 541 Queen St. E. Archts. est. $300,000. Noted July 29 under "Buildings—Industrial."

Buildings—Industrial

Proposed Work

N. H., Rochester—POWER HOUSE—See "Buildings—Commercial."

Mass., Boston — FACTORY — Knox & Morse Co., 140 Oliver St., having revised plans prepared by E. L. Rawson, 6 Beacon St., Boston, 2 story, 75 x 100 ft. factory, 70 Freeport St. $75,000.

Mass., Holyoke—BOILER HOUSE—Germania Mills having plans prepared by McClintock & Craig, archts. and engrs., 458 Bridge St., Springfield, remodeling and rebuilding 1 story and basement, 50 x 60 ft., brick, steel and concrete, Main St. $60,000.

Mass., Newton (br. Boston) GARAGE and REPAIR GARAGE—N. H. Turner, 69 Elmwood St., Boston, plans 2 story, brick garage and repair shop. $50,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—STORE, GARAGE and REPAIR SHOP—H. M. Rittenberg, 12 Garden St., Boston, having plans prepared by S. S. Eisenberg, 46 Cornhill, Boston, 1 story, 55 x 200 ft., and 30 x 40 ft., brick, plain foundation, 2044 Washington St., here. $60,000.

Mass., Saugus — BOTTLING PLANT — Deep Spring Water Co., 270 Lincoln Ave., Cliftondale, having plans prepared 1 story, 75 x 120 ft., rein.-con., plain foundation, Vine St. $45,000. Private plans.

Mass., Watertown (Ind. br. Boston)—REPAIR GARAGE and SALESROOM—Stuart Marshall Realty Co., 286 Centre St., Newton, having plans prepared by S. E. Moffie, 51 Cornhill, Boston, 1 story, brick and steel, plain foundation, Maple and Salem Sts. $40,000.

Mass., Woburn—REPAIR GARAGE and SHOW ROOM—J. H. Bates & Co., Inc., 16 Montvale Ave., having plans prepared by C. H. Wood, 36 Arlington Rd., 1 story, rein.-con., plain foundation. $50,000.

N. Y., Brooklyn—SERVICE and REPAIR GARAGE — Ridgewood Garage, 322 St. Nicholas Ave., having plans prepared by H. C. Brucker, 2424 Myrtle Ave., 2 story, 50 x 300 ft., rein.-con., brick and steel, plain foundation. $60,000.

N. Y., Valley Stream—GARAGE—J. Walbroehl, Valley Stream, having plans prepared by J. J. Gunther, Natl. Bank Bldg., Far Rockaway, 1 story, rein.-con., brick and steel, plain foundation, Merrick Rd. and Fletcher Ave. $40,000.

N. Y., Valley Stream — GARAGE — Hendrickson Bros., Central Ave., having plans prepared by J. J. Gunther, Natl. Bank Bldg., Far Rockaway, 1 story, rein.-con., brick and steel, plain foundation. $45,000.

N. Y., Syracuse—PLANT—Continental Can Co., 1016 East Water St., Syracuse, having plans prepared by Francesco & Jacobus, 511 5th Ave., New York City, 2 story and basement, rein.-con., brick and steel addition, plain foundation. $150,000.

N. J., Bayonne—POWER PLANT—Pub. Serv. Electric & Gas Co., Terminal Bldg., Newark., having plans prepared rein.-con., brick and steel, plain foundation, 209 Orient St. $50,000. Private plans.

N. J., Cartaret—POWER PLANT—Pub. Serv. Electric & Gas Co., Terminal Bldg., Newark, having plans prepared rein.-con., brick and steel, plain foundation, Atlantic St. $50,000. Private plans.

La., Lake Providence—SAW MILL—M. H. Brown Lumber Co., Bank Commercial Bldg., plans rebuilding saw mill, recently destroyed by fire. $200,000.

O., Columbus—GARAGE—H. M. Freck, 176 South Pearl St., having plans prepared by R. Sims, 55 East State St., 2 story and basement, 125 x 134 ft., brick and concrete, Front St. $85,000.

O., Fairport — MACHINE SHOP and ROUND HOUSE — Fairport & Painesville Eastern R.R. Co., Painesville, J. H. McNash, pres., had plans prepared by R. E. Sheal, engr. and archt., Union Trust Bldg., Cleveland, 1 story, 90 x 180 ft., brick, steel and concrete, here. $75,000.

O., Lakewood (br. Cleveland)—GARAGE—J. W. Chrisford, had plans prepared 1 story, 50 x 200 ft., brick, steel and concrete, Detroit Ave. $100,000. Private plans.

Ind., Ft. Wayne — FACTORY — Wayne Tank & Pump Co. having plans prepared by C. R. Weatherhogg, 250 West Wayne St., 2 story and basement, 62 x 86 ft., rein.-con., brick and steel factory. $40,000.

Ind., Tipton—FACTORY—General Piston Ring Co. having plans prepared by L. J. Richards, Bates Blk., 1 story, rein.-con., brick and steel factory. $40,000.

Ill., Decatur—RECLAMATION PLANT—Wabash R.R. Co., Railway Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., soon takes bids 1 story, 50 x 150 ft., brick and concrete addition, $50,000; and 3 story and basement, 68 x 160 ft., brick and concrete building, here, $160,000. R. E. Mohr, c/o owner, archt.

Wis., Kenosha—FACTORY—Nash Motors Co., Edwards St., C. W. Nash, pres., taking bids 1 story, 100 x 600 ft., brick and steel addition, plain foundation. $100,000. Private plans.

Ark., Hot Springs—ENGINE HOUSE—See "Railways under Arkansas and Contracts Awarded."

Tex., Amarillo—COTTON MILL—Galveston & Ft. Worth Cotton Mills, c/o A. F. De Loach, 2523 P St., Galveston, plans 14,000-16,000 spindle cotton mill, brick and rein.-con. $55,000. Engineer and architect not selected.

Tex., Wichita Falls—ICE PLANT—New Ice Co. soon take bids 60 ton capacity ice plant, brick and stucco, 601 Burnett St. $100,000. Address W. McKemie, Jr., 1008 Indiana St.

Calif., Fresno—ICE PLANT—Southern Pacific R.R. Co., 65 Market St., San Francisco, plans ice plant, incl. icing refrigerator cars, here. To exceed $150,000. G. W. Boschke, ch. engr.

Ont., Blenheim—MILL—Rutherford Milling Co. plans rebuilding mill, incl. grain elevators, destroyed by fire. $150,000 loss.

Ont., St. Catharines — GARAGE and SHOP—S. Lee, Bond St., plans 2 story, 100 x 125 ft., brick and steel garage and auto repair shop. $50,000.

Alta., Calgary—PLANT—P. H. Grota, Long Beach, Calif., having plans prepared absorption plant in connection with petroleum industry in Alberta, here.

B. C., Prince George—SAW MILL—McArthur Sawmill Co., Edmonton, Alta., having preliminary plans prepared new saw mill, 150,000 b.m. per 10 hrs. capacity, construction 1 mi. spur tracks from Canadian National Ry. Mill pond, etc. on Hudsons Bay addition, here. $500,000. A. McGregor, Prince George, engr.

Bids Desired

Wis., Eau Claire — FACTORY — E. J. Hancock, archt., Lacock Bldg., taking bids 1 story, 62 x 100 ft., brick, plain foundation, Chippewa Rd., for Bark River Bridge & Culvert Co., Cameron St. $40,000.

Contracts Awarded

Mass., Cambridge (Boston P. O.)—GARAGE—Lesser & Levine, 43 Holburn St., Roxbury, superstructure, 1 story, 175 x 300 x 325 ft., brick, stone and steel, 590 Main St., to P. Salvi, 31 Cutter Ave., Somerville. Archts. est. $150,000. Noted Aug. 19.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE — E. I.

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Buildings—Industrial (Continued)

Brown, 18 Tremont St., Boston, 1 story and basement, 80 x 200 ft., rein.-con. brick and steel, Rhodes St., to Frankini Bros., 30 Mystic Ave., Medford. Archts. est. to exceed $40,000. Noted Aug. 12.

N. Y., Long Island City—FACTORY—A. C. Horn Co., Hancock St., 3 story rein.-con., brick and steel, plain foundation, Hancock St., to Willcox Constr. Co., 1 Bridge Plaza. Engrs. est. $100,000.

N. Y., Long Island City—FACTORY—C. Proescher, 84 8th Ave., 2 story, 50 x 120 ft., rein.-con., brick and steel, plain foundation, 40th Ave., to Burmeister & Christensen, Inc., 9429 85th Rd., Woodhaven. Engrs. est. $50,000.

N. Y., White Plains — GARAGE and SERVICE STATION — Gramatan Hotel, Pondfield Rd., Bronxville, 3 story, 125 x 335 ft., rein.-con., brick and steel, plain foundation, Tibbets Ave., here, to D. P. Robinson, 125 East 46th St. Archts. est. $300,000.

Pa., Ardmore — LAUNDRY — St. Marys Laundry, 1 story and basement, 100 x 146 ft., rein.-con., brick and steel, plain foundation, Aubury Ave., to C. C. Eddelman, 1627 Sansom St., Phila. Noted Apr. 15.

Pa., South Greensburg (mail Greensburg) —FACTORY—Moore Metal Mfg. Co., general contract 1 story, 100 x 200 ft., brick and concrete, Huff Ave., to B. R. Falmer, 534 North Main St., Greensburg. Archts. est. $50,000.

N. C., Durham — POWER PLANT — Liggett & Myers Tobacco Co., power plant, to Northeastern Constr. Co., 101 Park Ave., New York City. Noted July 8.

O., Canton—FACTORY—Timken Roller Bearing Co., Harrison Ave. S. W. general contract 1 story, 100 x 500 ft., steel, Garfield Ave. S. W., to G. F. S. Melbourne Co., Renkert Bldg. $1,000,000. Noted July 29.

O., Cleveland—MACHINE SHOP—J. C. Heintz 1319 Main Ave., 1 story, 48 x 66 ft., tile and steel, 3738 West 143rd St., to M. J. Heintz, 1184 Warren Rd., Lakewood. Archts. est. $40,000.

O., Cleveland — FACTORY — Cleveland Switchboard Co., c/o F. C. Hafemeister, pres.-genl. mgr., 1 story, 30 x 140 ft., brick and steel, 2925 East 79th St., to Dresser Co., 1082 The Arcade. Archts. est. $40,000.

O., Columbus—REPAIR GARAGE—Civic Investment Co., 88 North Front St., 1 story and basement, 62 x 183 ft., brick, steel and concrete, Front and Spring Sts., to R. L. Wirtz, 120 North Front St., approximately $75,000.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., masonry contract 1 story, 120 x 140 ft., brick, 3403 West 48th Pl., to A. L. Spietz, 4549 Elston Ave., carpentry contract, to E. J. Millard, 5753 Circle St., for Hardwood Lumber Co., 3403 West 48th Pl. Archts. total est. $50,000.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., masonry contract 1 and 2 story, 100 x 177 ft., brick, 3431 West 48th Pl., to Anderson & Windlad, 6235 South South Michigan Ave., carpentry contract, to Heidel & Beck, 6235 South Michigan Ave., for Economy Pumping Mchy. Co., 122 Curtis St. Archts. est $60,000. Archts. est. $60,000. Noted Aug. 19.

Ill., Chicago—MANUFACTURING—Pullman Co., Adams and Michigan Aves., masonry and carpentry contract 1 story, 65 x 112 ft., brick, Langley Ave. between 111th and 115th Sts., to Sumner Sollitt Co., 307 North Michigan Ave., $1,000,000.

Ill., Freeport — MANUFACTURING PLANT — W. T. Rawleigh Co., 6 story and basement, 109 x 242 ft., concrete and brick, Liberty St., to Madsen Constr. Co., Natl. Bldg., Minneapolis' Minn. Archts. est. $500,000.

Ill., Rockford — CHAIR FACTORY — Rockford Chair Co., Ry. Ave. and 9th Sts., 4 story and basement, 68 x 312 ft., concrete and brick, to Security Building Co., 1016 Charles St. Archts. est. $100,000.

Mo., Jefferson Barrac's (Ind. br. St. Louis) — OIL STORAGE STATION — Standard Oil Co. of Indiana, 314 North Jefferson St., St. Louis, 1 story, 100 x 100 ft., 30 x 50 ft., 78 x 96 ft. and 14 x 45 ft., brick and concrete, Weber Rd., here, to E. G. Lay, 5471 North Kingshighway Blvd., St. Louis. Archts. est. $50,000.

Mo., St. Louis—FACTORY—St. Louis Coffin Co., 1821 Chestnut St., 2 story and basement, 50 x 125 ft., brick and concrete addition, Chouteau St., to H. C. Harting Constr. Co., 722 Chestnut St. Archts. est. $45,000.

Calif., San Bernardino—GARAGE and SERVICE—R. B. Wainright, part 1 and 3 story, 100 x 150 ft., brick, to Masonry Constr. Co., Bradbury Bldg., Los Angeles, approximately $165,000.

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Buildings—Educational, Religious

Proposed Work

Mass., Amherst—SCHOOL—Town having sketches made by C. P. Hoyt, 8 Beacon St., Boston, 2 story and basement, brick and stone school. $150,000.

Conn., Bridgeport — CHURCH — First Methodist Church, H. E. White, 812 Colorado Ave., having preliminary plans prepared Bureau of Architecture of the Methodist Church, 1701 Arch St., Phila., Pa., church, Harrison and Golden Hill Sts. $500,000. Noted Feb. 18.

N. Y., Brooklyn — NURSES HOME — Dept. Pub. Welfare, Municipal Bldg., New York City, B. S. Coler, comr., soon takes bids 3 story, brick, steel and stone addition, at Coney Island Hospital, Ocean Parkway, here. $350,000. Dodge & Morrison, 160 Pearl St., New York City, archts. Noted Nov. 5.

N. C., Asheville — SCHOOLS — Election Sept. 28, $1,500,000 bonds, new schools. J. H. Cathey, mayor.

O., Ashtabula—CHILDREN'S HOME—Ashtubula Co., election Nov. 2, $175,000 bonds, 3 story, brick, steel and concrete home. Keich, O'Brien & Hosker, Warren, archts.

Wis., Milwaukee—ACADEMY and CONVENT—Barry Byrne Co., archts, 104 South Michigan Blvd., Chicago, Ill., soon lets contract 3 and 4 story, 169 x 169 ft. rein.-con and brick, plain foundation, Cedar and Conservatory Sts., for Holy Angels Academy, 243 12th St. $375,000. Noted July 29.

Bids Desired

Mass., Blackstone — SCHOOL — Sept. 11, by St. Pauls Parish, 2 story and basement, brick, steel and stone, St. Paul St. $150,000. J. W. Donohue, 476 Main St., Springfield, archt.

Conn., Hartford—SCHOOL—Sept. 10, by St. Michael's Parish, 2 story and basement, 65 x 150 ft., brick, steel and stone, Clark St. $150,000. W. Schmidt, 144 Golden Hill St., Bridgeport, archt.

N. J., Camden—SCHOOL—Sept. 14, by Bd. Educ., City Hall, 2 story and basement, 138 x 160 ft., rein.-con. and brick, plain foundation, 8th and Jackson Sts. $250,000. Davis, Dunlap & Barney, 1805 Walnut St., Phila., Pa., archts.

N. J., Gloucester—HIGH SCHOOL—Sept. 8, by Bd. Educ., 32 North Berlin St., Senior and Junior high school. Former bids rejected.

N. J., Rahway—SCHOOL—Sept. 28, by School Bd., G. Howard, secy., 2 story, brick and steel, East Milton Ave. $225,000. J. F. Kelly, P. O. Bldg., Passaic, archt. S. Williams, 133 Central Ave., engr. Noted May 20.

Pa., New Castle—SCHOOL—Sept. 11, by Bd. Educ., and A. L. Thayer, archt., Greer Bldg., 2 story and basement, 60 x 120 ft., brick and hollow tile addition. $150,000.

La., Homer — SCHOOL — Sept. 24, by Claiborne Parish Bd. Educ., 2 story, 184 x 213 ft., brick and concrete school, $255,000. E. F. Neild, 1206 City Bank Bldg., Shreveport, archt. Noted Aug. 19.

Ky., Murray—SCHOOL and AUDITORIUM—Sept. 14, by Bd. Regents Murray State Normal School, training school and auditorium buildings, on campus. T. Smith, Jr., Paducah. Noted Apr. 8.

Mich., Adrian—SCHOOLS—Sept. 15, by Bd. Educ., T. C. Kennedy, secy., three elementary schools, one Scott St. near College Ave., one Cross St. and other Croswell and Bristol Sts., all rein.-con., brick and steel, plain foundations. $90,000 each. Bentley, Taylor and Salisbury, 343 South Dearborn St., Chicago, Ill., archts.

Mich., Battle Creek—SCHOOL—Sept. 27, by Bd. Educ., 2 story and part basement, 128 x 197 ft., rein.-con., brick and stone, incl. heating and ventilating system. $178,500. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

Ia., Muscatine—SCHOOL—Sept. 16 (extended date), by Dougher, Rich & Woodburn, 805 Valley Natl. Bank Bldg., Des Moines, Jefferson Grade School, 2 story and basement, 116 x 200 ft., rein.-con., brick and stone plain foundation, here, for Bd. Educ. $175,000. Noted Sept. 2.

Calif., Los Angeles—HIGH SCHOOL—Sept. 15, by Bd. Educ., Burbank Junior High School, rein.-con. and brick. $300,000. Noernberg & Johnson, Railway Bldg., archts.

Bids Received

Mass., Reading—HIGH SCHOOL—Town school bd., Aug. 30, 3 story and basement brick and stone addition to Junior High School, plain foundation, Middlesex Ave. from J. W. Duff, Inc., 246 Summer St. Boston, $279,654. Noted Aug. 26.

Pa., McKees Rocks—HIGH SCHOOL Bd. Educ., general contract, 2 story and basement, 61 x 281 ft. brick, concrete and steel, from Inland Constr. Co., Penn. Ave. Pittsburgh, $253,000; heating and ventilating, from Columbus Heating & Ventilating Co., Wabash Bldg., Pittsburgh, $25,780. Noted Aug. 19.

Mich., Iron River—HIGH SCHOOL—Bd. Educ., W. A. Sweet, secy., 3 story and basement, 132 x 200 ft., rein.-con., brick and tile, plain foundation, from C. A. Anderson, Manistee, $197,775; heating, ventilating and plumbing, from H. B. Priest, Stambough, $43,495. Noted Aug. 19.

Contracts Awarded

Mass., Fall River — CHURCH — Baptist Temple Church, A. R. MacDougal, pastor, 1 story and basement, brick and stone, plain foundation, 205 Main St., to A. H. Leeming, 425 Bank St. Archts. est. $150,000. Noted Aug. 5.

Mass., Natick—HIGH SCHOOL—Town School Comn., Junior High School, 3 story and basement, 85 x 275 ft., brick and stone, plain foundation to A. F. Smiley Constr. Co., Oak Hill Bldg., Pawtucket, R. I. Noted Sept. 2.

Mass., Newton (Ind. br. Boston)—ACADEMY—Boston Academy of Sacred Heart, 262 Commonwealth Ave., Boston, 3 story and basement, 150 x 155 ft., brick and stone addition, plain foundation, Centre and Cabot Sts., to C. A. Louge Building Co., 18 Tremont St., Boston. Archts. est. $150,000.

Mass., Quincy (Boston P. O.)—NURSES HOME—City, 3 story and basement, 45 x 145 ft., brick and stone, plain foundation, Whitewell St., to Frankini Bros., 32 Mystic Ave., Medford, $103,000. Noted Sept. 2.

Mass., Worcester—SCHOOL—St. Marys School of Worcester, B. Bojanonski, pastor, 2 story and basement, 90 x 165 ft., brick and stone, Sheridan St., to J. J. Power Co., 15 Ashland St. Archts. est. $150,000. Noted Sept. 2.

Mass., Worcester—SCHOOL—St. Marys School, B. A. Bojanonski, pastor, 2 story and basement, 90 x 155 ft., brick and steel, to J. J. Power Co., 15 Ashland St. Archts. est. $250,000.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 101, here, to G. Colon Constr. Co., 81 East 125th St., New York City, $344,500; and heating, to D. J. Rice, 606 1st Ave., New York City, $40,643. Noted Aug. 12.

N. Y., Little Neck (mail Douglaston)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, P. S. 94, Old House Landing Rd., here, to L. J. Rice, 78 19th St., Brooklyn, $149,423. Noted Aug. 5.

N. J., Guttenberg—SCHOOL—Bd. Educ., general contract school addition, to Auf der Heide Contg. Co., West New York, $176,770. Noted Aug. 19.

Pa., Pottsfield—CHURCH—Presbyterian Church Society, 1 story and basement, brick and granite, plain foundation, to F. W. Van Loon, Perry Bldg., Phila. Archts. est. $150,000 or more.

Miss., Oxford—CHAPEL—University of Mississippi Building Comn., 2 story, 63 x 148 ft., with 31 x 84 ft., concrete, brick and stone, to W. G. Wetmore, Meridian, $104,255. Noted July 22.

Ind., Indianapolis—SCHOOL—St. Mary Academy, 429 East Vermont St., general contract 3 story, 100 x 160 ft., rein.-con., brick and steel, 429 East Vermont St., to Michaelis Bros., 826 Parker Ave. Archts. est. $150,000.

Mich., Iron River—HIGH SCHOOL—Bd. Educ., W. A. Sweet, secy., 3 story and basement, 132 x 200 ft., rein.-con., brick and tile, plain foundation, to C. A. Anderson, Manistree, $197,775.

Ia., Des Moines — CHURCH — Vorse, Kraetch & Kraetch, archts., 1201 Commonwealth Bldg., 3 story and basement, 160 x 200 ft., rein.-con., brick, steel and stone, plain foundation, to C. Weitz Sons, 713 Mulberry St., for Grace Methodist Episcopal Church. $320,000. Noted July 29.

Mo., St. Joseph — SCHOOL — Christian Brothers College, 1225 Henry St., 3 story and basement, 150 x 217 ft., brick, rein.-con. and stone, Henry St., to P. P. Buddy Constr. Co., 501 North Main St. Archts. est. $250,000. Noted June 24.

Ark., Clarksville—DORMITORY—College of Ozarks, W. L. Hurie, pres., general contract 3 story and basement, 36 x 132 ft., and 103 x 136 ft., concrete, brick and stone, to J. T. Blevins, Van Buren, $121,243. Noted Sept. 2.

Federal Government Work

Proposed Work

Mo., St. Charles—Bank Protection—U. S. Engineer's Office, 707 Postal Telegraph Bldg., Kansas City, plans bank protection work in Walnut Dist. in vicinity of Musicks Ferry, here. $250,000. C. C. Gee, c/o owner, engr.

Bids Desired

Tex., Point Isabel—Stone—U. S. Engineers Office, Trust Bldg., Galveston, taking bids 19,000 tons granite, limestone or sandstone rock for jetties at Brazos Island, near here. $240,000.

Calif., Oakland—Dredging—Sept. 25, by U. S. Engineers Office, Custom House, San Francisco, dredging 380,000 cu.yd. with over depth of 138,000 cu.yd. in Inner Harbor, here.

Bids Received

Wis., Portage—Canal—U. S. Engineer Office, Federal Bldg., Milwaukee, 170 ft. rein.-con. lock, 35 ft. in Wisconsin River, here, from M. E. White, 1735 Fullerton Ave., Chicago, Ill., $164,792. Noted July 29.

Montana — Dam — Bureau Reclamation, Fairfield, constructing Gibson Dam, Sun River Project, from Utah Constr. Co., Ogden, Utah, $1,566,240. Noted July 29.

Missouri—Earthwork—Mississippi River Comm., 1311 International Life Bldg., St. Louis, 240,000 cu.yd. earthwork in Des Moines-Mississippi Levee Dist., from McWilliams Dredging Co., McCormick Bldg., Chicago, Ill., at $0.225 per cu.yd. Noted Aug. 19.

Calif., San Diego—Walks—Spec. 5254—Bureau Yards & Docks, Navy Dept., Wash., D. C., walks and roads at Naval Hospital, here, from H. H. Peterson, San Diego, $12,229. Noted Aug. 12.

Contracts Awarded

Mass., Boston—Circulating Loop—Spec. 5190—Bureau Yards & Docks, Navy Dept., Wash., D. C., salt water circulating loop from harbor to Central Power Plant, at Navy Yard, here, to A. Pope, 4722 15th St., Wash., D. C., $122,300. Noted July 22.

R. I., Providence—Dredging—U. S. Engineers Office, dredging in Providence River, to J. S. Packard Dredging Co., 104 Turks Head Bldg., $64,000. Noted July 22.

N. Y., Sunmount—Sewer—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., sewer line at U. S. Veterans Hospital, here, to M. W. Otis, Lake Clear Junction, $30,628.

N. J., Lake Denmark (mail Hibernia)—Repairs—Bureau, Yards & Docks, Navy Dept., Wash., D. C., Bureau Yards & Docks, Navy Dept., repairing 32 buildings, at Naval Ammunition Depot, here, to Waldemar Mortensen, Inc., 405 Lexington Ave., New York City, $367,600. Noted Aug. 26.

Unclassified

Proposed Work

Playground—Boston, Mass.—City, Dept. Pub. Wks., plans 60,000 sq.ft. playground on Camden St. and Shawmut Ave. $25,000. J. H. Sullivan, comr.

Comfort Station—Pittsfield, Mass.—City, Mayors Office, City Hall, having plans prepared modern comfort station, Allen St. J. McArthur Vance, 24 North St., engr.

Swimming Pool—Winston-Salem, N. C.—See "Buildings—Commercial."

Grade Crossing Elimination—Cleveland, O.—Election Nov. 2, $2,000,000 bonds grade crossing eliminations West 143rd St. and Lorain Ave., Grand and Woodland Aves., Kinsman and Buckeye Rds., East 75th, 79th, 89th and 93rd Sts. R. Hoffman, city engr.

Lake—Detroit, Mich.—Making plans 100 acre lake in River Rouge Park, incl. concrete paving natural slope of ground and damming river to supply artificial lake. P. A. Fellows, City Hall, city engr.

Conduits—Detroit, Mich.—Pub. Lighting Comm., 174 East Atwater St., made plans 1¼ mi. underground conduits etc. for Michigan Ave. from Livernois to Elmer Aves.

Foundation — Sioux City, Ia.—Francis Building Co., 5th and Pierce Sts., A. Sanford, pres., takes bids about Oct. 15, foundation for Orpheum Theatre, 150 x 200, concrete, steel and terra cotta, 6th and Pierce Sts. Lieberman & Hein, 190 North State St., Chicago, Ill., engrs. C. W. and G. L. Rapp, State Lake Bldg., Chicago, Ill., archts. Noted Aug. 12.

Land Development—Texas—Gillock Development Co., Chamber of Commerce, Chicago, Ill., purchased 10,900 acres Barreda and 2,000 acres Laguna Vista Tracts, Cameron Co., here, and plans extending canals, and laterals, installing water, lights and sewers, etc. $200,000. Private plans.

Ornamental Lighting System—Berkeley, Calif.—Made plans 125 or more standards on University Ave. between Oxford St. and San Pablo Ave. J. N. Edy, city engr.

Storage Bunkers—Los Angeles, Calif.—Union Rock Co., 1403 East 16th St., plans sand and rock storage bunkers on San Fernando Rd. $40,000.

Swimming Pool — Montebello, Calif. — Plans election $100,000 bonds, swimming pool.

Sprinkler System — Cap-de-la-Madeline, Que.—Bates Valve Bag Co., 8200 South Chicago Ave., Chicago, Ill., making plans sprinkler system. $50,000. J. C. Bennett, Three Rivers, engr.

Dry Dock—Midland, Ont.—Canada Steam Ships Co., 9 Victoria Sq., Montreal, Que., plans new dry dock, also grain elevator and coal dock extensions, here. A. Enderby, genl. mgr.

Bids Desired

Tunnel — Boston, Mass. — Sept. 21, by Pub. Wks. Dept., Water Div., concrete tunnel with steel pipe shafts under New York, New Haven & Hartford R.R., and Boston & Albany tracks, at Arlington Sq. $125,000 bonds. J. H. Sullivan, comr.

Wall—East Boston (Boston P. O.) **Mass.**—Sept. 13, by Library Dept., Boston, parapet wall, Meridian St., here. $25,000. French & Hubbard, 210 South St., Boston, engrs.

Swimming Pool—Elmira, N. Y.—Sept. 7, by City, rein.-con. swimming pool. $75,000. W. B. Binz, Lansing, Mich., engr.

Generator—Newark, N. Y.—Sept. 30, by F. R. Utter, supt. Purch., Capitol, Albany, electric generator at Newark Normal School for Mental Defectives, here; adv. E. N.-R. Sept. 9.

Subway—New York, N. Y.—Oct. 1, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sects. 1 and 2, Route 104, Rapid Transit R.R.; adv. E. N.-R. Sept. 9.

Subway—New York, N. Y.—Oct. 15, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 3, Route 104, Rapid Transit R.R.; adv. E. N.-R. Sept. 9.

Platform Extensions—New York—Sept. 22, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, platform extensions, to stations of elevated portions of Broadway-Fourth Ave. Rapid Transit R.R., in Brooklyn and Queens Boros.

Steel Bins—New York, N. Y.—Sept. 14, by A. Goldman, comr. Plant & Structures, Municipal Bldg., installing steel bins in central motor repair shop, 16th St. and Avenue C.

Elimination Grade Crossing—Phila., Pa.—See "Sewers."

Boardwalk—Miami, Fla.—Sept. 15, by City, 5,000 ft. boardwalk, 40 ft., concrete substructure with timber deck highly illuminated, pavilions, comfort stations, etc. $475,000. A. Renshaw, city engr.

Skating Rink — Dallas, Tex. — Gardner Park Amusement Co., c/o J. W. Gardner, pres., taking bids ice skating rink, etc., 1400 Jefferson St. $150,000. Private plans.

Lighting System—Berkeley, Calif.—See "Streets and Roads."

Pier—San Francisco, Calif.—Sept. 23, by State Bd. Harbor Comrs., 1,200 ft. concrete pile pier, 380 ft., The Embarcadero, between Taylor and Jones Sts. To exceed $1,000,000. F. G. White, Ferry Bldg., engr. Noted Aug. 26.

Contracts Awarded

Bulkhead—Boston, Mass. — City Penal Institutions Dept., bulkhead northerly shore Deer Island, to R. B. Rendle Corp., 364 Border St., East Boston, $26,010. Noted Sept. 2.

Foundation, etc.—Charlestown (sta. Boston), **Mass.**—W. F. Schraff & Sons Corp., 160 Washington St., Boston, foundation and grading for factory addition, Sullivan Sq., to C. H. Gow, 31 St. James Ave., Boston. Engrs. est. to exceed $25,000.

Tower—Jamaica Plain (Boston P. O.), Mass.—D. E. Dunn & Co., 46 Bromfield St., Boston, brick and steel elevator tower, 130 ft high, 3175 Washington St., to W. H. Preble Co., 11 Pemberton Sq., Boston. Archts. est. $25,000.

Subway—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, portion rapid transit railroad from Culver Line to Coney Island Yard, here, to J. H. Duncan, Inc., 5718 2nd Ave., $69,248. Noted Sept. 2.

Traffic Signals—New York, N. Y.—A. Goldman, comr. Plant & Structures, Municipal Bldg., traffic control signals and boxes along 6th Ave., to New York Electrical Contr. Co., 100 East 45th St., $19,550. Noted Aug. 26.

Elimination of Grade Crossing—Sharpsville, Pa.—Pennsylvania R.R. Co., Pennsylvania Sta., Pittsburgh, (Erie Div.) reconstructing Mercer Ave. overhead bridge, here, to Milliron Constr. Co., Dubois, $57,000. Engrs. est. $60,000.

Stadium — Knoxville, Tenn. — University of Tennesee, rein.-con. stadium, to W. M. Felts Const. Co., Knoxville, $25,000.

Foundations—Canton, O.—Timken Roller Bearing Co., Harrison Ave. S. W., foundation, excavation, etc., for factory, Garfield Ave. S. W., to Garaux Bros. Co., Massillon Rd., $75,000-$100,000. Noted July 29 under "Buildings—Industrial."

Swimming Pool, etc.—Grinnell, Ia.—Grinnell College, 20 x 60 ft. swimming pool, chlorine purification plant, and 46 x 109 ft. timber building, to A. H. Neumann & Co., 619 Hubbell Bldg., Des Moines. $25,000.

Grain Elevator—Ft. Worth, Tex.—Ft. Worth Elevators Co., c/o J. Smith, pres., 1510 East 1st St., 68 bin, 18 ft. diam. grain elevator 100 ft. high, steel and rein.-con., 24 x 56 ft. headhouse, 170 ft. high, 18-5,000 bu. bins in headhouse, 2 damp and 1 dry smutter machine, Dickson St., Missouri, Kansas & Texas R.R. tracks, to Southwestern Eng. Corp., Springfield, Mo., cost plus percentage basis.

Boardwalk—Long Beach, Calif.—Boardwalk on piles with bulkhead, Seaside Walk, to Pan Pacific Constr. Co., City Natl. Bank Bldg., Los Angeles, $87,370.

Materials

Bids Desired

Sand, etc.—New York, N. Y.—Sept. 15, by P. J. Dooling, comr. Purchase, Municipal Bldg., sand and cement to Dept. Plant and Structures; also broken stone and rock asphalt; fuel oil, etc.

Fabricated Structural Steel—Phila., Pa.—Sept. 16, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., fabricated structural steel for centenary supporting bridges, Contr. 37-1926. A. C. Shand, Broad St. Sta., ch. engr. for railroad.

Transformers, etc.—Cleveland, O.—Sept. 10, by City, ten 7½, forty 10, twenty-six 15, eight 50 and eight 75 kvas. distribution transformers, also 95,000 ft. 8 4,500 ft. 4/0, 14,000 ft. 1/0, 8,500 ft. 4 and 2,500 ft. 6 stranded lead covered cable, etc.

Bids Received

Cement, etc. — Brooklyn, N. Y. — J. A. Guider, pres. Brooklyn Boro., Boro Hall, Sept. 1, 10,000 bbl. portland cement, from M. F. Hickey Co., Inc., Neptune Ave., $27,200; 10,000 cu.yd. coarse aggregate, from New York Trap Rock Corp., 101 Park Ave., New York City, $17,100; 2,000 cu.yd. sand, from T. E. McCormick, Inc., 810 Lincoln Rd., $2,140; 2,500 cu.yd. sand, from Rosoff Sand & Gravel Co., 331 Madison Ave., New York City, $2,500; 200,000 gal. asphaltic cement, from Warner-Quinlan Co., 67 Wall St., New York City, $11,940; 1,260 net tons limestone dust, from Grangers Mfg. Co., 53 State St., Boston, Mass., $8,253; and 4,000 cu.yd. binder stone, from Calvin Tompkins Co., 30 Church St., New York City, $7,760; 10,600 cu.yd. asphalt sand, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., $10,759. Noted Aug. 26.

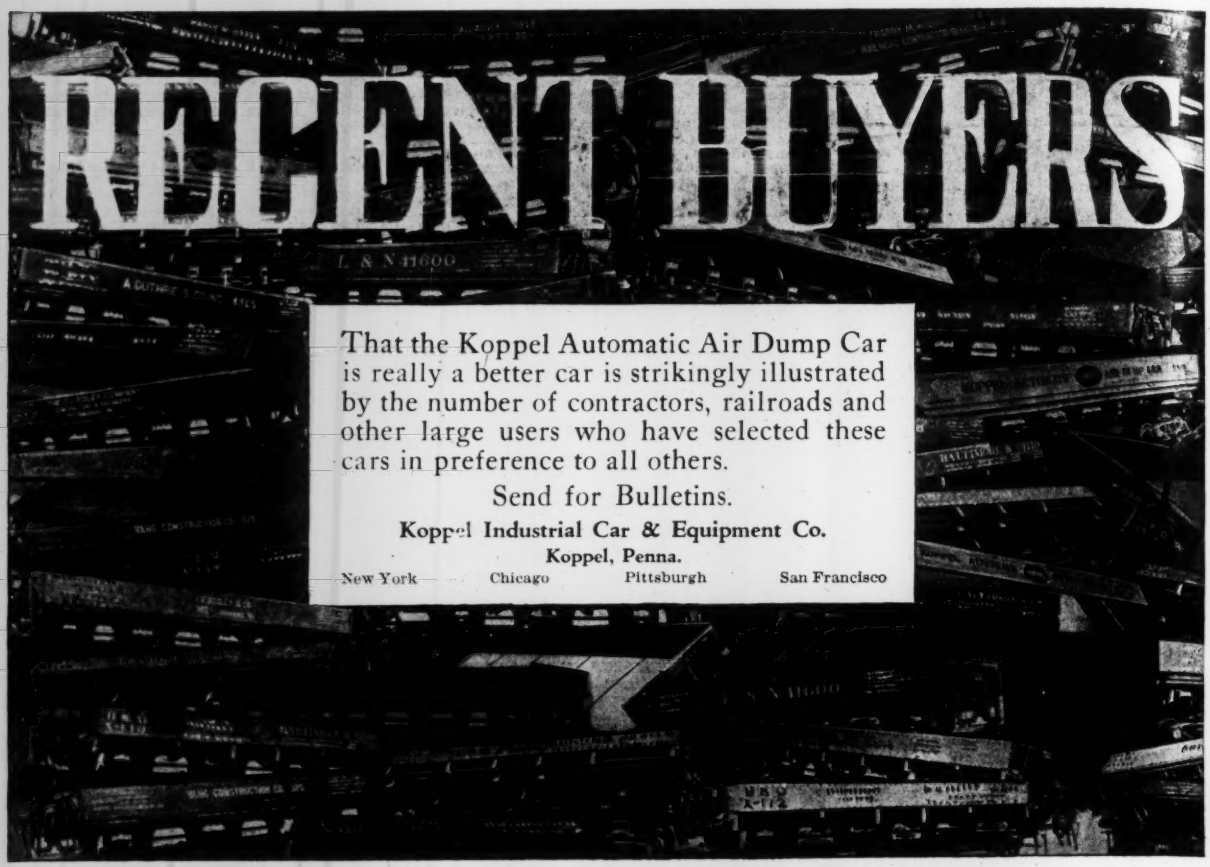
Contracts Awarded

Cement, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro., 50,000 gal. gasoline and 450,000 gal. asphaltic cement, to Warner-Quinlan Co., 25 Beaver St., $7,500 and $27,045 respectively; 25,000 cu.yd. concrete and paving sand, to Ames Building Material Co., 3437 Kingsbridge Ave., $3,575; 20,000 bags portland cement, to Anderscon Brick & Supply Co., 201 East 129th St., $13,450; 6,000 cu.yd. ¾ in. binder stone, to Calvin Tompkins Co., 30 Canal St., $11,640; 2,500 tons inorganic dust, to New York Trap Rock Co., 250 Park Ave., $13,000; and 20,000 cu.yd. asphalt sand to Z. Mahoney, 557 46th St., Brooklyn, $22,400. Grand total $98,610. Noted Sept. 2.

Cement—Baltimore Md.—Mayor and City Council, cement to city, to National Building Supply Co., 210 Garrison Lane, $25,600.

See proposal advertising on page 127

Constr. News page 177



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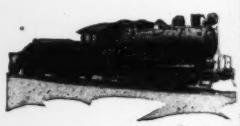

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